

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

N/A

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Anschutz Ranch East

9. Well No.

W11-01

10. Field and Pool, or Wildcat

~~Nugget~~ Anschutz Ranch East

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 11, T3N, R7E

12. County or Parrish 13. State

Summit UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

CHAMPLIN PETROLEUM COMPANY

Attn: Dave Petrie

3. Address of Operator

P.O. Box 700 Rock Springs, WY 82902

RECEIVED

AUG 19 1985

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1160 FEL, 660 FNL Sec. 11
1464 562

NW NE

At proposed prod. zone

660 FEL, 660 FNL Sec. 11

14. Distance in miles and direction from nearest town or post office*

Approximately 20 miles Southwest of Evanston, WY

DIVISION OF OIL GAS & MINING

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

660'

16. No. of acres in lease

150

17. No. of acres assigned to this well

1

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

16,400'

20. Rotary or cable tools

0-TD Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

8791' GR

22. Approx. date work will start*

Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
30"	20"	94	150'	2 cu. yds.
17½"	13-3/8"	72,68,61,54.5	7000'	Back to Surface
12¼"	9-5/8"	47,43.5,40	13,350'	1600 sxs.
8½"	7"	29, 26, 23	16,400'	Back to 9-5/8"

Set 20" conductor.

Drill 17½" hole and set 7,000' of 13-3/8" casing. Cement back to surface.

Drill out with 12¼" hole and set 9-5/8" casing to 13,350'. Cement 1600 sxs.

Drill out with 8½" hole and set 7" to TD. Cement back to 9-5/8" shoe.

BOPE to be operated daily.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8/29/85

BY: John R. Baya

WELL SPACING: 183-11/ 11-30-8

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

D. S. Petrie
D. S. Petrie

Title Engineering Assistant

Date 08/15/85

(This space for Federal or State office use)

Permit No.

43-043-30277

Approval Date

Approved by

Title

Date

Conditions of approval, if any:

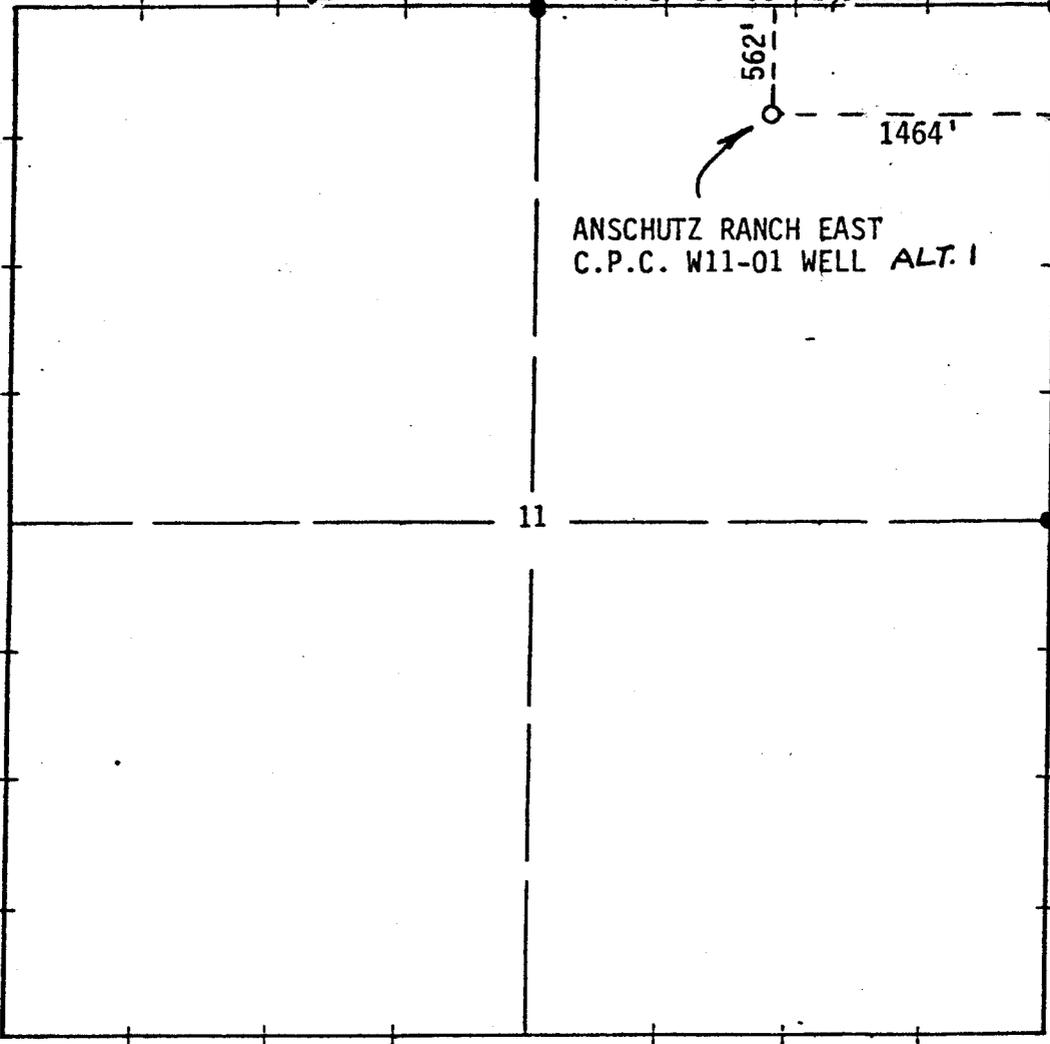
NW Corner

T 3 N

R 7 E

NE Corner

N 87°25'08" E, 192.65'



S 0°23'41" E, 2661.61'

ANSCHUTZ RANCH EAST
C.P.C. W11-01 WELL ALT. 1



SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Alum. Cap
- ⊗ Found Stone - Set Alum. Cap
- Hub and Tack
- △ Proportioned Corner

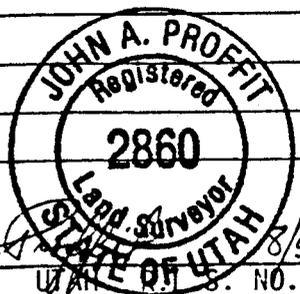
SW Corner

SE Corner

11

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Dave Petrie of Rock Springs, Wyoming for Champlin Petroleum Company I made a survey on the 20th day of August, 1985 for Location and Elevation of the Anschutz Ranch East C.P.C. W11-01 ^{Well} as shown on the above map, the wellsite is in the NE 1/4 of Section 11, Township 3N, Range 7E of the Salt Lake Base & Meridian, Summit County, State of Utah, Elevation is 8710 Feet Top of Hub Datum N.G.V.D. - 1929 Based on 3-Dimensional Control Network tied to USGS and USC&G Benchmarks

Reference point _____
 Reference point _____
 Reference point _____
 Reference point _____



John A. Proffit
 JOHN A. PROFFIT UTAH S. NO. 2860 8/5/85

BOOK: 27
 DATE: 8/5/85 REV. 8/21/85 rgl
 JOB NO.: 85-116

J.P.

UINTA ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

SUPERVISION:

- A. Drilling: T. A. Belisle
 Office - (307) 362-5641
 Home -
- B. Geology: J. W. Rawson
 Office - (303) 779-2654
 Home - (303) 741-5572

CASING:

A. Requirements: The State does not have specific requirements in this area. Circulate cement on surface casing. WOC 12 hours. Pressure test BOP and surface casing before drilling out with 2000 psig.

B. Program:	Hole Size	Casing Size	Setting Depth	Remarks
Conductor	30"	20"	60'	Cement w/approximately 2 cu. yd. construction concrete accelerated with CaCl ₂ .
Surface Casing	17-1/2"	13-3/8"	7000'	Cement in two stages w/DV collar at 3500'. <u>First Stage:</u> Run 13-3/8" OD to 7000' and circulate to clean hole. Pre-flush cement with fresh water. Pump 1700 sx of 13#/gal. cement and tail in with 604 sxs of 15#/gal. cement. These volumes represent theoretical fill-up. Actual volumes will be determined from caliper log. 50% excess will be added.

<u>Hole Size</u>	<u>Casing Size</u>	<u>Setting Depth</u>	<u>Remarks</u>
			<p><u>Second Stage:</u> Pre-flush with fresh water and pump 1900 sxs of 12.7#/gal. cement. Theoretically this will fill to surface. One inch 15#/gal. cement from surface with Class "G" cement. WOC 12 hrs. Actual volume will be calculated from Caliper log. Use thread locking compound, spot weld and strap bottom 3 jts, shoe and float collar. Test BOP and casing to 2000 psi for 30 minutes.</p>
12-1/4"	9-5/8"	13,350	<p>If production is encountered between 7000' and 13,350' a liner hanger will be run and the 9-5/8" OD cemented to the liner hanger. The 9-5/8 will then be tied back to surface and landed. Otherwise run 9-5/8 and cement to bottom of surface pipe. Set DV collar at 8000' feet. Cement volumes will be calculated from caliper logs.</p>
8-1/2"	7"	16,400'	<p>Cement from lower most productive interval to 150' above the top or to the bottom of the 9-5/8"OD Csg at 13,350. Cement volumes will be calculated from caliper logs.</p>

C. Mud:	Depth	Wt.	Visc.	W/L	Type Mud
	0 - 7000'	8.9	40 - 50	N/C	Low solids Non-dispersed mud.
	7000' - 13325'	9.3	40 - 50	5 - 10	Low solids, Salt Saturates Non-dispersed mud
	13325' - 16400'	8.9	35 - 45	5 - 10	Low solids Non-dispersed mud

Note: Run 3% diesel throughout for foam control and lubrication.

SPECIAL INSTRUCTIONS:

1. Measure drill pipe on trips at 6000', 8000', 10000' and every 1000' (± 100) to total depth. Also, all DST's, casing points and total depth.
2. Check BOP daily after drilling out. Record BOP check. Have BOP drill each tour once a week. Record drill times.
3. Test BOP on surface casing to 2000 psi for 30 minutes before drilling out. Have test plug available to test BOP and choke manifold at 7000' and every 30 days. Call BLM representative 12 hours before test.
4. Have rotating head available in event of gas in the Twin Creek formation.
5. Fill hole every 5 stands on trips below 7000'. Keep track of mud volume required each time hole is filled.
6. Equipment will be operational from surface to TD to monitor pit levels, flow rate and hole filling on trips.
7. Be sure degasser is properly installed and in good working condition from 7000' to total depth. Degasser to be vented to flare pit so gas will not be around the pits and location.
8. Have contractor's rig supervisor and crews completely familiar with blow out detection and kill procedure by 5000'.
9. Have all personnel familiar with the use of all safety equipment and special instructions from the CPC Safety Department.
10. Notify State and BLM so they may witness all BOP tests.

CRO/cz

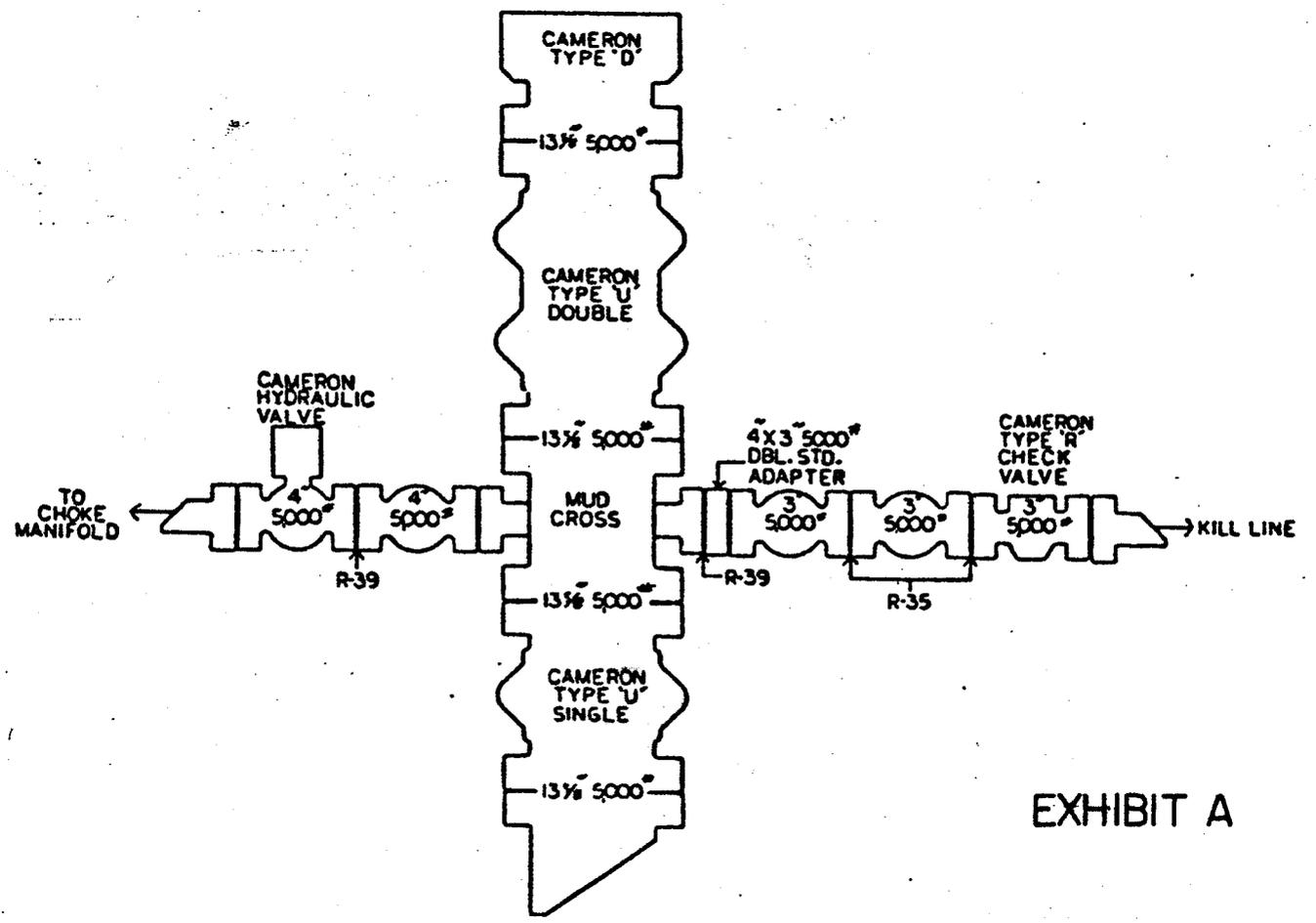
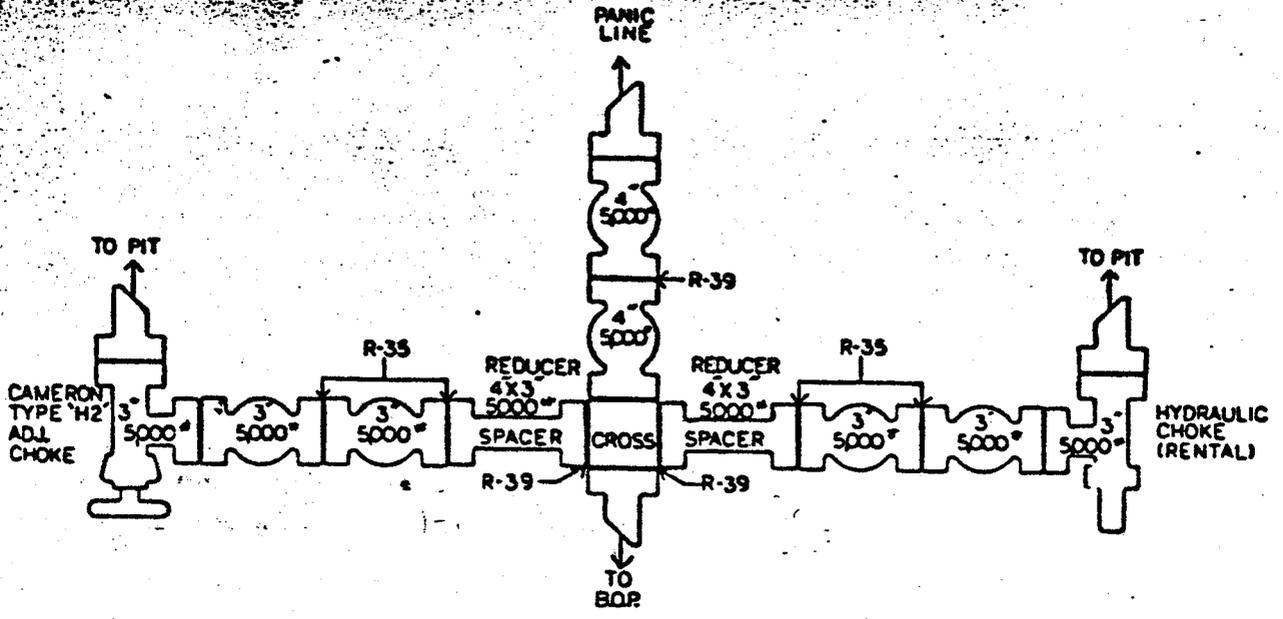


EXHIBIT A

OPERATOR Champlain Petroleum Co. DATE 8-19-85
WELL NAME Anschutz Ranch East W11-01
SEC NENE 11 T 3N R 7E COUNTY Summit

43-043-30277
API NUMBER

Free
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:

Needs water
No other wells in section

APPROVAL LETTER:

SPACING: A-3 Anschutz Ranch East c-3-a 183-11 11/30/82
UNIT and 40-6-8 UCA
 c-3-b c-3-c

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 30, 1985

Champlin Petroleum Company
P.O. Box 700
Rock Springs, WY 82902

Attention: Dave Petrie

Gentlemen:

Re: Well No. Anschutz Ranch East W11-01 - NE NE Sec. 11, T. 3N, R. 7E
562' FNL, 1464' FEL (Surface), 660' FNL, 660' FEL (BHL) - Summit
County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with the Order of Cause No. 183-11 dated November 30, 1982, and in accordance with Section 40-6-8, Utah Code Annotated, as amended 1983, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Champion Petroleum Company
Well No. Anschutz Ranch East W11-01
August 30, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-043-30277.

Sincerely,



R. L. Firth
Associate Director, Oil & Gas

jbl
Enclosures
cc: Branch of Fluid Minerals

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT DUPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR CHAMPLIN PETROLEUM COMPANY Attn: David S. Petrie		6. IF INDIAN, ALLOTED OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 700, Rock Springs, WY 82901		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 562' FNL, 1464' FEL		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO.		9. WELL NO. W11-01
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8710		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 11 T3N R7E
		12. COUNTY OR PARISH 13. STATE Summit UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

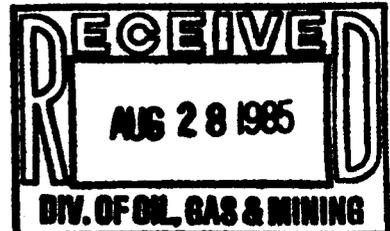
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Permission is requested to move the surface location of the subject well from the original of 1160 FEL, 660 FNL to 562' FNL, 1464 FEL. The bottom hole location will remain the same at 660 FNL, 660 FEL.

Also, pleas find attached the tentative drilling program to complete all information required by Mr. Baza for the subject well.



18. I hereby certify that the foregoing is true and correct
SIGNED David S. Petrie TITLE Engineering Asst. DATE 08-27-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED

(Do not use this form for proposals to drill or to deepen or plug back to...
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N/A	
2. NAME OF OPERATOR Champlin Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 700 Rock Springs, WY 82901		7. UNIT AGREEMENT NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Anschutz Ranch East	
14. PERMIT NO. 43-043-30277		9. WELL NO. W11-01	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8791' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR ABBA Sec. 11, T3N, R7E	
		12. COUNTY OR PARISH Summit	13. STATE Utah

OCT 30 1985

DIVISION OF OIL
GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Per my phone conversation with Dorothy Swindel of your staff the surface location for the above well has been changed from 1160' FEL, 660' FNL, Sec. 11 to a new location of 533' FNL, 1486' FEL, Sec. 11.
Note: The bottom hole will remain the same 660' FEL, 660' FNL.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/30/85
BY: John R. Dava

18. I hereby certify that the foregoing is true and correct
SIGNED: D.S. Petrie/T.A. Belisle TITLE: Drilling Superintendent DATE: 10-23-85
(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

DEC 16 1985

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER
DIVISION OF OIL GAS & MINING

2. NAME OF OPERATOR Champlin Petroleum Co. Attention: Dave Petrie

3. ADDRESS OF OPERATOR P. O. Box 700, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

562' FNL, 1464' FEL Sec. 11

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)
8710' GR

5. LEASE DESIGNATION AND SERIAL NO.	N/A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	N/A
7. UNIT AGREEMENT NAME	N/A
8. FARM OR LEASE NAME	Anschutz Ranch East
9. WELL NO.	W11-01
10. FIELD AND POOL, OR WILDCAT	Nugget
11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA	Sec. 11, T3N, R7E
12. COUNTY OR PARISH	Summit
13. STATE	Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) Water source	<input type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Per my phone conversation with Arlin of your staff, this Sundry is to verify that Champlin has secured water to drill the subject well. The existing water well located on the Anschutz 2-10 well location will be used and will be piped to Champlin's location.

18. I hereby certify that the foregoing is true and correct

SIGNED D. S. Petrie

TITLE Engineering Assistant

DATE 12-11-85

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

2 101

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different section of well. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR Champlin Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 700, Rock Springs, Wyoming 82902		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 562' FNL, 1464' FEL Sec. 11		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO.		9. WELL NO. W11-01
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8710' GR		10. FIELD AND POOL, OR WILDCAT Nugget
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLM. AND SUBVY OR AREA Sec. 11, T3N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spud Notice</u>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Brinkerhoff Signal #72

✓ Spudded a 17½" hole @ 3:30 P.M. on 12/22/85.

Present operations: Drill 17½" hole @ 300'.

18. I hereby certify that the foregoing is true and correct

SIGNED D. S. Petrie TITLE Engineering Assistant DATE 12/24/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

1-DEL

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR Champlin Petroleum Company Attn: Dave Petrie		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
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		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA Sec. 11, T3N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Monthly Sundry</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operations Drilling a 17 1/2" hole.

Present Operations: Drilling a 17 1/2" hole with lost circulation problems.

PRESENT DEPTH 4923'

RECEIVED
FEB 24 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

D. S. Petrie
D. S. Petrie

TITLE Engineering Assistant

DATE 2/17/86

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

AL

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR Champlin Petroleum Company Attn: Dave Petrie		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 700 Rock Springs, WY 82902		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 562' FNL, 1464' FEL Sec. 11		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO.		9. WELL NO. W11-01
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8710' GR		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11 T.3N., R.7E.
		12. COUNTY OR PARISH Summit
		13. STATE Utah

RECEIVED
MAR 27 1986
DIVISION OF OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Monthly Sundry</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operations:

Drilled a 17" hole to a depth of 7080'
Ran 13-5/8" casing set at 7068' and cemented.
Present Operations: Drilling 12 1/4" hole @ 8088'.

18. I hereby certify that the foregoing is true and correct

SIGNED D. S. Petrie TITLE Engineering Assistant DATE 3/21/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



A Subsidiary of
Union Pacific Corporation

April 28, 1986

RECEIVED
APR 30 1986

State of Utah
Board of Oil, Gas and Mining
355 N. Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

DIVISION OF
OIL, GAS & MINING

Attn: John Baza

Re: Disposal of Reserve Pit - Drilling Fluids by
Down-Hole Injection
#1 Anschutz 11-1
NENE Section 11-T3N-R7E
Summit County, Utah

Dear Mr. Baza:

Champlin hereby requests approval to dispose of drilling fluids from our reserve pit for the above mentioned well. Following I have provided information as requested.

Reason for Request: Due to rugged terrain, Champlin has to build a minimized reserve pit. This need to dispose of our drilling mud has become necessary since our reserve pit is approaching capacity and we are presently at 9500' with a projected total depth of 16,400'.

Estimated Barrels of Disposal: 30,000 barrels.

Properties of Drilling Mud to be Disposed: Present mud system - Mud weight 8.5#, Vis. 27, Cl - 300 ppm, Ca - trace, Solids 1.4%, Oil - trace. Sample analysis of reserve pit forthcoming.

Proposed Interval of Disposal: 7080' to 13,200'.

Formations in Proposed Disposal Interval: **Gannet formation - est. top = 8700'. Preuss formation - est. top = 11,750'.

**Most likely the formation to accept pumped fluids.

Casing Program: 13-3/8", 88.2# & 72#, casing set @ 7080' on 3-19-86. 9-15/16" & 9-5/8", 43.50# - 51.50# will be set to the top of the Twin Creek formation (est. top 13,200' approximately).

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-9-86
BY: John R. Baza

Champlin Petroleum Company
Denver Region
P.O. Box 1257
Englewood, Colorado 80150
303/779-0079

State of Utah
Page 2
April 28, 1986

Proposed Procedure

1. Drill 12-1/4" hole from approximately 9500' to 13,200' (top of Twin Creek formation).
2. Run DIL-GR-SP, BHC-SONIC, Dipmeter, Directional Logs.
3. Set 9-15/16" & 9-5/8" casing. WOC.
4. Pump drilling fluids down between 13-3/8" & 9-15/16" - 9-5/8" casing annulus.
5. Monitor pressure and volume pumped away (keep injection pressure below 3000 psi).
6. Can run temperature survey if necessary once all fluids in reserve pit are pumped away.

Copies of the intermediate logs will be sent as soon as the job is complete. We anticipate having the intermediate hole logged and cased by May 8, 1986. We would then begin the disposal operation if approval is obtained. You can contact me as follows if further information is needed.

Champlin Petroleum Company
Regional Drilling Department
P. O. Box 1257
Englewood, CO 80150
Attn: Joy L. Daniel
(303) 779-0079

Respectfully submitted,



Joy L. Daniel
Engineering Assistant

JLD/cm

7000 Hollister
Houston, Texas 77040-5337

ANALYSIS OF A RESERVE PIT WATER

SUBJECT OF REPORT

SAMPLE FROM CHAMPLIN PETROLEUM COMPANY'S

W11-01, SUMMIT COUNTY, UTAH

SRD 4557

REPORT NUMBER

30 APR 81

DATE

BILL HALLIDAY

SECTION SUPERVISOR

JOHN PITTMAN

Requested by

CHAMPLIN PETROLEUM COMPANY

For

A gallon of reserve pit water was received from Champlin Petroleum Company's W11-01, Summit County, Utah, for analysis. Champlin intends to dispose of this water, but first the State of Utah requires a water analysis.

The results of the analysis are as follows:

	<u>CONCENTRATION, mg/l</u>
BARIUM	0.1
CADMIUM	0.05
LEAD	0.5
IRON	69
SODIUM	400
CHROMIUM	0.07
CALCIUM	120
MAGNESIUM	40
CHLORIDES	4,000
TOTAL CARBONATES (GGT)	500
SULFATES	*

*Filtered water too turbid to perform analysis.

Steven K. Watson
Steven K. Watson
Nyal Walker

RECEIVED
MAY 08 1981

DIVISION
OIL & GAS

cc: John Pittman (4)
Bob Scott, Champlin Petroleum Company
Joe Farquharson, Champlin Petroleum Company
Dub Jett
Jerry Wood

STATE OF UTAH
BOARD OF OIL, GAS & MINING
355 N. Temple
SALT LAKE CITY, UTAH

ATTENTION: JOHN BAZA

JOHN,

PLEASE FIND ATTACHED THE
SAMPLE ANALYSIS OF THE RESERVE
PIT FOR THE WELL AS FOLLOWS:

ANSCHUTZ RANCH EAST 11-01
NENE SECTION 11 T3N R7E
SUMMIT COUNTY UTAH

DISPOSAL OF RESERVE PIT
DRILLING FLUIDS BY DOWN-
HOLE INJECTION. SEE APPLICATION
LETTER DATED 4/28/86.

THANKS

joy

303-779-0079



ALL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

N/A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL GAS WELL OTHER Drilling

7. UNIT AGREEMENT NAME

N/A

2. NAME OF OPERATOR

Champlin Petroleum Company, Attn: Ramona J. Rhoden

8. FARM OR LEASE NAME

Anschutz Ranch East

3. ADDRESS OF OPERATOR

P. O. Box 1257, Englewood, CO 80150

9. WELL NO.

W11-01

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

533' FNL & 1486' FEL

10. FIELD AND POOL, OR WILDCAT
Anschutz Ranch East - Nugget

11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA

Sec. 11-T13N-R7E

14. PERMIT NO.

43-043-30297

15. ELEVATIONS (Show whether DF, ST, OR, etc.)

8710' GR

12. COUNTY OR PARISH

Summit

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled 12 1/4" hole 8088' to 12,260'.

Present operation: Reaming.

RECEIVED
MAY 05 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Ramona J. Rhoden
Ramona J. Rhoden

TITLE Sr. Engineering Aide

DATE 4-28-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 8, 1986

Ms. Joy L. Daniel
Champlin Petroleum Company
Denver Region
P.O. Box 1257
Englewood, CO 80150

Dear Ms. Daniel:

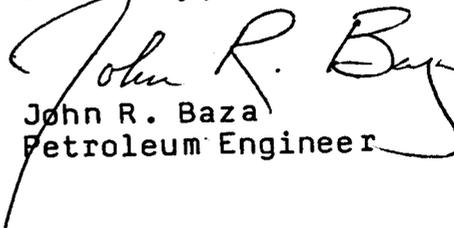
RE: Reserve Pit Drilling Fluid Disposal - #1 Anschutz Well
No. 11-1, Sec.11, T.3N, R.7E, Summit County, Utah

The Division staff has reviewed your proposed procedure dated April 28, 1986, for drilling fluid disposal operations on the referenced well. It has been determined that your request conforms to the requirements of Rule 316 of the Oil and Gas Conservation General Rules; therefore, approval to proceed with this disposal operation is hereby granted subject to the following stipulations:

1. The maximum surface injection pressure during disposal operations shall not exceed 2000 psig.
2. A temperature survey of the proposed disposal interval shall be run prior to and upon completion of disposal operations to verify the zone of fluid injection. The survey log shall be submitted to the Division within 15 days following fluid disposal operations.

Please do not hesitate to contact this office, if you have any questions concerning this approval.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: D. R. Nielson
R. J. Firth
0265T-90

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Drilling

2. NAME OF OPERATOR
Champlin Petroleum Company, Attn: Ramona J. Rhoden

3. ADDRESS OF OPERATOR
P. O. Box 1257, Englewood, CO 80150

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 533' FNL & 1486' FEL

14. PERMIT NO.
43-043-30297

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.
N/A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Anschutz Ranch East

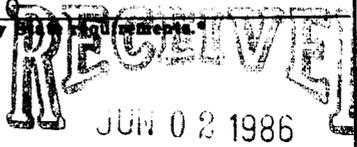
9. WELL NO.
W11-01

10. BIRL AND POOL OR WILDCAT
Anschutz Ranch East Nugget

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Section 11, T13N-R7E

12. COUNTY OR PARISH
Summit

13. STATE
Utah



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Operations</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Reamed 12,200-12,260'. Drilled 12-1/4" hole 12,260-13,004'. Ran DIL-GR-SP-LSS-Cal, HDT-GR logs. Drilled 12-1/4" hole 13,004-13,187'. Ran & cemented 338 jts. 9-5/8" 53.5# & 47# casing to 13,188'. Tested to 2000 psi. Ran Temp. Survey, top of cement @ 12,100'. WOC. Drilled 8-1/2" hole to 13,262'. Picked up Eastman Posi-Drill Mud Motor.

Present Operation: Preparing to drill.

18. I hereby certify that the foregoing is true and correct

SIGNED Ramona J. Rhoden TITLE Sr. Engineering Aide DATE 5-30-86

Ramona J. Rhoden
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

A Subsidiary of
Union Pacific Corporation

July 2, 1986

RECEIVED
JUL 14 1986DIVISION OF
OIL, GAS & MINING

Mr. John R. Baza
State of Utah Natural Resources
Board of Oil, Gas and Mining
355 N. Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

43.043.30277

Re: Reserve Pit Drilling Fluid Disposal
#1 Anschutz 11-01
Section 11-T3N-R7E
Summit County, Utah

Dear Mr. Baza:

As per your request, enclosed are temperature logs run before fluid was pumped between the 9-5/8" casing set at 13,150' and 13-3/8" casing set at 7080' and after approximately 19,200 barrels of mud had been pumped at an average injection pressure of 1500 psig. The top of cement on our 9-5/8" string is at 12,100'.

Qualitatively speaking, 75% of the total fluid injected went out an interval from 7130-7610 feet and 25% from 7800-8000 feet. Both zones are in the Bear River Formation described as tan, red, grey and varigated siltstones, thin interbedded sandstones, black shales; coal with some interbedded limestone and streaks of bentonite, none of which are hydrocarbon productive.

We are planning on pumping down the reserve pit as far as possible once more prior to rig release, estimated to be about July 8, 1986.

Please advise if you require any further information. You can reach me at 303-779-2758.

Very truly yours,



R. R. St. Pierre
Regional Drilling Superintendent

RRS/cm
Enclosure

cc: R. A. Scott
J. L. Daniel

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

072819

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR Champlin Petroleum Company, Attn: Joy Daniel (303) 779-0079		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1257, Englewood, CO 80150		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 533' FNL & 1486' FEL		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO. 43-043-30297		9. WELL NO. W11-01
15. ELEVATIONS (Show whether OF, ST, OR, etc.) DIVISION OF OIL, GAS & MINING		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 11-T13N-R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

RECEIVED
JUL 21 1986

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Operations</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Status Report

5/30/86 - 7/03/86: Drld 8-1/2" hole from 13,262' to TD (15,593') reached on 7/3/86.

7/04/86 - 7/06/86: Logged out DIL-SFL-SP-GR-LSS from 15,557' to 13,184'. Logged FDC-CNL-FR from 15,574' to 13,184'. RIH w/SHDT tool 15,520' to 13,184'.

7/07/86 - 7/09/86: Ran and cemented 7" production casing. Please reference 7" Casing Running and Cementing Report" attached.

7/10/86: Well secured - drlg rig released. Present operations - waiting on completion evaluation and completion rig. Anticipate completion of well to commence about 7/25/86.

18. I hereby certify that the foregoing is true and correct

SIGNED Joy Daniel TITLE Engineering Assistant DATE 7-16-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

champlin

DAILY DRILLING REPORT

Date July 9 1986

Lease ANSCHUTZ RANCH EAST Well No. W11-01 Field or Area EAST ANSCHUTZ RANCH

Contractor BYINKERHOFF - Signal Rig 72 County Summit State UTAH

Instructions for use of Page 2—The space provided on this page is for listing detailed information about casing and tubing setting, drill stem tests, cores, acid and fracture treatments, etc.

NE/NE SEC. 11 T8N R7E
Graded Elev. 8705'
KB Elev. 8737'

7" CASING RUNNING + CEMENT DETAILS.

Shoe @ 15,593 KB
Float Collar @ 15,547 KB
DV tool @ 18,225' KB

14.13	Down on 7" 82" P-110 8rd LTC Casing
3207.60	77 Jts. 7" 32" P-110 8rd LTC
1326.34	32 Jts. 7" 29" 05-95 8rd LTC
41.96	1 Jt. 7" 32" P-110 8rd LTC/TS X0
7802.24	184 Jts. 7" 32" P-110 TS Hydril
42.48	1 Jt. 7" 32" P-110 TS/LTC X0
1194.79	40 Jts. 7" 38" P-110 8rd LTC
592.58	14 Jts. 7" 32" P-110 8rd LTC
1.70	1 BAKERline Mod J Stage Collar DV
1277.54	31 Jts. 7" 32" P-110 8rd. LTC
0.00	1 BAKERline Top plug SEAT INSERT
42.00	1 Jt. 7" 32" P-110 8rd LTC
1.84	1 BAKERline Mod "G" Diff. Fill Float Collar
43.39	1 Jt. 7" 32" P-110 8rd LTC
2.39	1 BAKERline DIFF. FILL FLOAT SHOE.
<u>15,593.00'</u>	<u>7" Casing shoe landed @ KB Measurement</u>

1st Stage Cementing

2nd Stage Cement.

Rig up CER (Casper Equip Rental) and run casing as above. BAKERline Shoe, shoe Jt, F.C. + DV tool. Run Centralizers on every other Jt. for 1000'. Casing went to bottom ok except light spots @ 14,700 to 15,190'. Rig up + circ @ 13,120' w/ mud before going out of 9 5/8" Csg. Circ Csg on Bottom + wash 30'. Recirculated pipe while circ for 2 1/4 hrs. Rig up Hanco to cement. Pump 575 bbls water ahead. Mix + Pump 100 5x Poz Sev. @ 9 gal. Pump 15 bbl water spacer ahead of 1000 gal super flush. Pump 15 bbl water, then Mix and pump 575 @ Class A w/ 36% spherulite, 1% CER-2, 1% Haled 24, 10% Econolite. Mixed @ 10.9 gal Slurry volume @ surface was 289 bbls. Bleed Time 6:05 hrs. Drop top plug and displace w/ 561 bbls water. Pump plug w/ 2 bbls over 24% displacement of 559 bbls. Flow back 3 bbls Pump plug @ 5:00 am. 7/8/86 Release press/beat hold ok. Good returns thru out entire job. Initial pump in Press = 400psi @ 2 BPM. Final Pump in Press = 1000 psi @ 3 BPM. Pump plug @ 3 BPM w/ 1500psi. Drop BAKER DV opening Bomb. Opened DV w/ 1000 psi @ 4:25 am. Circ out Cont. Poz returned to surface after 294 bbls. Spherulite to surface @ 340 bbls water @ 405 bbls. Circ w/ rig pump 12 hrs prior to 2nd stage.

Mix Packer Fluid 10 gal ahead of cement. Mix Packer Fluid - 11 gal/100 bbls Trotelite Swellto B11-W + .2% bbl sodium Sulfate Oxygen Scavenger. Pump 275 bbls, ahead of cement. Mix + pump 2nd stage, 860 5x class "H" w/ 5/10% Haled 24, 3/4 2 CER-2, 7% HR-5. Slurry volume = 142 bbls @ 16.4% Bleed Time = 5:18. Drop DV closing tool plug + displace w/ 514 bbls water @ 5-7 bbl/min. Initial pump in press = 200 psi @ 7 bbl. Final Pump in press = 2100 psi @ 2 BPM. Good returns thru out job. Pump plug w/ 5700 psi @ 3 BPM and attempt to close DV tool. released press, flow back 10 bbls. tool didn't close. Press up + bump plug @ 4000 psi @ 3 BPM, didn't close. Press up + final bump plug @ 6000 psi @ 5 BPM released press flow back 2 1/2 bbls. DV tool closed @ 9:15 pm. 7/8/86. Returned approx 17 bbls. Packer Fluid to surface @ 2:24 hrs. before setting align. Indicator w/ 450,000 slack off to 310,000 set OCT Mod. C-22 align. Cut off 7" Csg and rig up 11" - 5000 x 7 1/8 10900 tubing spool. Press test scale to 3000 psi. Set on tree + release sig @ 6:00 am 7/10/86
Lynn S. White

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

082003

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [] Other Retro grade gas
b. TYPE OF COMPLETION: NEW WELL [x] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other

2. NAME OF OPERATOR Champlin Petroleum Company, Attn: Joy L. Daniel

3. ADDRESS OF OPERATOR P. O. Box 1257, Englewood, CO 80150 303-779-0079

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NENE, 533' FNL, 1486' FEL At top prod. interval reported below Nugget = 380' FNL, 1017' FEL At total depth 580' FNL & 774' FEL

14. PERMIT NO. 43-043-30277 DATE ISSUED 8-29-85

15. DATE SPUDDED 12-23-85 16. DATE T.D. REACHED 7-03-86 17. DATE COMPL. (Ready to prod.) Perf Date: 7-24-86 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 8705' KB 19. ELEV. CASINGHEAD ----

20. TOTAL DEPTH, MD & TVD 15,593 TD-MD 21. PLUG, BACK T.D., MD & TVD 15,468' MD 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY -> 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 14,780-14,982' Nugget

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR-SP-LSS-CAL; HDT-GR; Comp-Neut. Density; Sonic; CBL

27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD) 30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 14,982-14,940', 14930-14918'; 14,908-14,878', 14860-14,796'; 14,788-14,780' (4 shots/ft)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

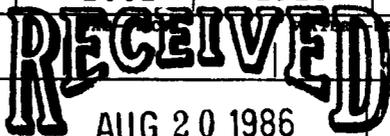
33. PRODUCTION DATE FIRST PRODUCTION 7-26-86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Amoco, the unit operator, will take over the well for prod. WELL STATUS (Producing or shut-in) SI (See backside)

DATE OF TEST 7/29/86 HOURS TESTED 24 CHOKE SIZE 25/64" PROD'N. FOR TEST PERIOD -> OIL—BBL. 1002 GAS—MCF. 2925 WATER—BBL. 2.5 GAS-OIL RATIO 2919

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Anschutz Ranch East Gas Plant

35. LIST OF ATTACHMENTS 36. I hereby certify that the foregoing and attached information is complete and correct from all available records SIGNED Joy L. Daniel TITLE Engineering Assistant DATE 7-31-86

5. LEASE DESIGNATION AND SERIAL NO. UPRR Lease - Fee 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A 7. UNIT AGREEMENT NAME Anschutz Ranch Unit 8. FARM OR LEASE NAME Anschutz Ranch East 9. WELL NO. 11-01 10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 11-T3N-R7E 12. COUNTY OR PARISH Summit 13. STATE Utah



*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks/Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

DST None

This well is presently shut-in pending acceptance into the Anschutz Ranch East Unit. Amoco will take over the well for Unit production once the well is accepted.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRON VERT. DEPTH
Core #1 Nugget	15,234'	15,295'	See preliminary core report attached.	Aspen	6,630'	
Core #2 Nugget	15,295'	15,357'	See preliminary core report attached.	Bear River	7,344'	
Core #3 Nugget	15,357'	15,389'	See preliminary core report attached.	Gannet	9,070'	
Core #4 Nugget	15,389'	15,418'	See preliminary core report attached.	Preuss	11,843'	
				Twin Creek	13,104'	
				Leeds Creek	13,680'	
				Watton Canyon	13,874'	
				Boundary Ridge	14,223'	
				Rich	14,270'	
				Slide Rock	14,534'	
				Gypsum Springs	14,624'	
				Nugget	14,756'	

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

PRELIMINARY

Sherry
1:36

CHAMPLIN PETROLEUM COMPANY

Well: ARE W11-01
Field: Anschutz Ranch East
Drilling fluid: Newdrill

State: Utah
County: Summit
Location: Sec. 11-T3N-R7E

Date: 29-JUL-1986
TICS File #: 86263
Elevation: 8737 KB

FULL DIAMETER DEAN-STARK ANALYSIS

ATTN: JOE HOPKINS

Sample Number	Depth (feet)	Permeability			Porosity Z	Saturation			Brain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil Z	H2O Z	Z		
Nugget Sandstone										
1	15234.0-35.0	1.5 ¹	NA	1	10.1	15.1	37.9	2.64		
2	15235.0-36.0	NA	NA		NA	0.0	NA	NA		
3	15236.0-37.0	NA	NA		NA	0.0	NA	NA		
4	15237.0-38.0	NA	NA		NA	0.0	NA	NA		
5	15238.0-39.0	NA	NA		NA	0.0	NA	NA		
6	15239.0-40.0	NA	NA		5.0	0.0	59.6	2.65		
7	15240.0-41.0	1.0 ¹	NA	1	3.9	0.0	52.3	2.65		
8	15241.0-42.0	NA	NA		2.4	0.0	76.3	2.65		
9	15242.0-43.0	NA	NA		2.9	0.0	64.0	2.64		
10	15243.0-44.0	NA	NA		3.1	0.0	73.2	2.65		
11	15244.0-45.0	NA	NA		4.1	0.0	66.8	2.65		
12	15245.0-46.0	.03 ¹	NA	1	4.0	0.0	51.6	2.66		
13	15246.0-47.0	NA	NA		3.6	0.0	72.2	2.66		
14	15247.0-48.0	.07	.03		4.3	0.0	69.9	2.67		
15	15248.0-49.0	NA	NA		4.6	0.0	61.6	2.65		
16	15249.0-50.0	NA	NA		4.0	0.0	72.0	2.66		
17	15250.0-51.0	NA	NA		5.3	0.0	59.5	2.65		
18	15251.0-52.0	NA	NA		5.7	0.0	56.7	2.65		
19	15252.0-53.0	NA	NA		6.3	0.0	60.3	2.65		

¹ Plug permeability - sample not suitable for full diameter measurement

RECEIVED
AUG 20 1986

DIVISION OF
OIL, GAS & MINING

8015842480

PRELIMINARY

Sherry
1:36

CHAMPLIN PETROLEUM COMPANY

Well: ARE W11-01
Field: Anschutz Ranch East
Drilling fluid: Newdrill

State: Utah
County: Summit
Location: Sec. 11-T3N-R7E

Date: 29-JUL-1986
TICS File #: 86263
Elevation: 8737 KB

FULL DIAMETER DEAN-STARK ANALYSIS

ATTN: JOE HOPKINS

Sample Number	Depth (feet)	Permeability			Porosity Z	Saturation			Brain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil Z	H2O Z	Z		
Nugget Sandstone										
1	15234.0-35.0	1.5 ¹	NA	1	10.1	15.1	37.9	2.64		
2	15235.0-36.0	NA	NA		NA	0.0	NA	NA		
3	15236.0-37.0	NA	NA		NA	0.0	NA	NA		
4	15237.0-38.0	NA	NA		NA	0.0	NA	NA		
5	15238.0-39.0	NA	NA		NA	0.0	NA	NA		
6	15239.0-40.0	NA	NA		5.0	0.0	59.6	2.65		
7	15240.0-41.0	1.0 ¹	NA	1	3.9	0.0	52.3	2.65		
8	15241.0-42.0	NA	NA		2.4	0.0	76.3	2.65		
9	15242.0-43.0	NA	NA		2.9	0.0	64.0	2.64		
10	15243.0-44.0	NA	NA		3.1	0.0	73.2	2.65		
11	15244.0-45.0	NA	NA		4.1	0.0	66.8	2.65		
12	15245.0-46.0	.03 ¹	NA	1	4.0	0.0	51.6	2.66		
13	15246.0-47.0	NA	NA		3.6	0.0	72.2	2.66		
14	15247.0-48.0	.07	.03		4.3	0.0	69.9	2.67		
15	15248.0-49.0	NA	NA		4.6	0.0	61.6	2.65		
16	15249.0-50.0	NA	NA		4.0	0.0	72.0	2.66		
17	15250.0-51.0	NA	NA		5.3	0.0	59.5	2.65		
18	15251.0-52.0	NA	NA		5.7	0.0	56.7	2.65		
19	15252.0-53.0	NA	NA		6.3	0.0	60.3	2.65		

¹ Plug permeability - sample not suitable for full diameter measurement

RECEIVED
AUG 20 1986

DIVISION OF
OIL, GAS & MINING

8015842480

CHAMPLIN PETROLEUM COMPANY
Well: ABE W11-01

Date: 29-JUL-1986

ITCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %		
20	15253.0-54.0	.08	.07		6.2	0.0	57.1	2.66	
21	15254.0-55.0	NA	NA		6.7	0.0	55.8	2.66	
22	15255.0-56.0	.16	.15		9.4	0.0	47.1	2.64	
23	15256.0-57.0	NA	NA		10.2	0.0	52.6	2.64	
24	15257.0-58.0	.23	.20		10.1	0.0	51.5	2.65	
25	15258.0-59.0	.19	.16		9.7	0.0	49.6	2.64	
26	15259.0-60.0	NA	NA		10.8	0.0	50.1	2.65	
27	15260.0-61.0	.65	.52		10.3	0.0	49.9	2.64	
28	15261.0-62.0	.49	.44		10.9	0.0	48.9	2.64	
29	15262.0-63.0	NA	NA		9.7	0.0	53.2	2.64	
30	15263.0-64.0	.28	.24		9.6	0.0	56.6	2.65	
31	15264.0-65.0	NA	NA		10.0	0.0	59.0	2.64	
32	15265.0-66.0	.37	.30		9.7	0.0	51.7	2.65	
33	15266.0-67.0	.29	.23		9.7	0.0	53.1	2.65	
34	15267.0-68.0	NA	NA		9.5	0.0	48.7	2.64	
35	15268.0-69.0	.31	.27		8.9	0.0	51.2	2.65	
36	15269.0-70.0	NA	NA		8.9	0.0	57.2	2.65	
37	15270.0-71.0	.24	.22		9.0	0.0	58.5	2.65	
38	15271.0-72.0	NA	NA		8.5	0.0	56.2	2.65	
39	15272.0-73.0	NA	NA		8.7	0.0	52.5	2.65	
40	15273.0-74.0	NA	NA		9.1	0.0	50.4	2.65	
41	15274.0-75.0	.21	.17		8.1	0.0	54.7	2.64	
42	15275.0-76.0	NA	NA		8.1	0.0	56.0	2.65	

CHAMPLIN PETROLEUM COMPANY
Well: ABE W11-01

Date: 29-JUL-1986

ITCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %		
20	15253.0-54.0	.08	.07		6.2	0.0	57.1	2.66	
21	15254.0-55.0	NA	NA		6.7	0.0	55.8	2.66	
22	15255.0-56.0	.16	.15		9.4	0.0	47.1	2.64	
23	15256.0-57.0	NA	NA		10.2	0.0	52.6	2.64	
24	15257.0-58.0	.23	.20		10.1	0.0	51.5	2.65	
25	15258.0-59.0	.19	.16		9.7	0.0	49.6	2.64	
26	15259.0-60.0	NA	NA		10.8	0.0	50.1	2.65	
27	15260.0-61.0	.65	.52		10.3	0.0	49.9	2.64	
28	15261.0-62.0	.49	.44		10.9	0.0	48.9	2.64	
29	15262.0-63.0	NA	NA		9.7	0.0	53.2	2.64	
30	15263.0-64.0	.28	.24		9.6	0.0	56.6	2.65	
31	15264.0-65.0	NA	NA		10.0	0.0	59.0	2.64	
32	15265.0-66.0	.37	.30		9.7	0.0	51.7	2.65	
33	15266.0-67.0	.29	.23		9.7	0.0	53.1	2.65	
34	15267.0-68.0	NA	NA		9.5	0.0	48.7	2.64	
35	15268.0-69.0	.31	.27		8.9	0.0	51.2	2.65	
36	15269.0-70.0	NA	NA		8.9	0.0	57.2	2.65	
37	15270.0-71.0	.24	.22		9.0	0.0	58.5	2.65	
38	15271.0-72.0	NA	NA		8.5	0.0	56.2	2.65	
39	15272.0-73.0	NA	NA		8.7	0.0	52.5	2.65	
40	15273.0-74.0	NA	NA		9.1	0.0	50.4	2.65	
41	15274.0-75.0	.21	.17		8.1	0.0	54.7	2.64	
42	15275.0-76.0	NA	NA		8.1	0.0	56.0	2.65	

CHAMPLIN PETROLEUM COMPANY
Well: ARE U11-01

Date: 29-JUL-1986

ITCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation			Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Dil %	M20 %	%		
43	15276.0-77.0	NA	NA		7.8	0.0	49.9	2.65		
44	15277.0-78.0	.10	.10		6.5	0.0	56.1	2.65		
45	15278.0-79.0	.11	.09		6.0	0.0	57.4	2.65		
46	15279.0-80.0	.11	.11		6.5	0.0	56.3	2.65		
47	15280.0-81.0	.11	.11		7.5	0.0	50.5	2.64		
48	15281.0-82.0	.13	.12		7.8	0.0	50.0	2.65		
49	15282.0-83.0	NA	NA		7.6	0.0	55.4	2.65		
50	15283.0-84.0	.15	.14		8.6	0.0	54.3	2.64		
51	15284.0-85.0	.15	.15		8.3	0.0	52.3	2.64		
52	15285.0-86.0	NA	NA		8.7	0.0	51.8	2.64		
53	15286.0-87.0	.13 ¹	NA ¹		8.6	0.0	32.9	2.64		
54	15287.0-88.0	.13 ¹	NA ¹		8.5	0.0	30.8	2.64		
55	15288.0-89.0	.27 ¹	NA ¹		9.6	0.0	33.4	2.65		
56	15289.0-90.0	NA	NA		8.3	0.0	56.7	2.65		
57	15290.0-91.0	.16	.14		8.1	0.0	51.3	2.64		
58	15291.0-92.0	.04 ¹	NA ¹		6.9	0.0	50.7	2.65		
59	15292.0-93.0	.09 ¹	NA ¹		8.7	0.0	42.5	2.65		
60	15293.0-94.0	NA	NA		8.0	0.0	56.1	2.64		
61	15294.0-95.0	.21	.11		8.2	0.0	55.5	2.64		
62	15295.0-96.0	.10 ¹	NA ¹		7.6	0.0	35.5	2.65		
63	15296.0-97.0	NA	NA		8.3	0.0	56.9	2.65		
64	15297.0-98.0	NA	NA		8.2	0.0	56.8	2.64		

¹ Plug permeability - sample not suitable for full diameter measurement

CHAMPLIN PETROLEUM COMPANY
Well: ARE W11-01

Date: 29-JUL-1986

TTCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %		
65	15298.0-99.0	NA	NA		7.8	0.0	59.6	2.65	
66	15299.0-00.0	NA	NA		8.4	0.0	59.7	2.65	
67	15300.0-01.0	NA	NA		8.4	0.0	56.6	2.65	
68	15301.0-02.0	.14	.13		8.0	0.0	65.4	2.65	
69	15302.0-03.0	NA	NA		8.8	0.0	64.9	2.66	
70	15303.0-04.0	NA	NA		9.3	0.0	59.8	2.65	
71	15304.0-05.0	NA	NA		9.2	0.0	57.3	2.65	
72	15305.0-06.0	NA	NA		9.8	0.0	59.1	2.65	
73	15306.0-07.0	NA	NA		8.7	0.0	57.5	2.65	
74	15307.0-08.0	NA	NA		8.5	0.0	53.3	2.65	
75	15308.0-09.0	.13	.11		8.2	0.0	59.7	2.65	
76	15309.0-10.0	NA	NA		8.7	0.0	55.6	2.65	
77	15310.0-11.0	NA	NA		8.7	0.0	60.0	2.65	
78	15311.0-12.0	NA	NA		8.3	0.0	55.4	2.65	
79	15312.0-13.0	.16	.14		7.2	0.0	55.0	2.64	
80	15313.0-14.0	NA	NA		7.7	0.0	62.5	2.65	
81	15314.0-15.0	NA	NA		6.6	0.0	64.4	2.65	
82	15315.0-16.0	NA	NA		6.1	0.0	59.5	2.64	
83	15316.0-17.0	NA	NA		6.3	0.0	59.3	2.65	
84	15317.0-18.0	NA	NA		6.4	0.0	61.1	2.65	
85	15318.0-19.0	.05 ¹	NA ¹		6.5	0.0	63.0	2.65	
86	15319.0-20.0	NA	NA		6.9	0.0	64.6	2.65	

¹ Plug permeability - sample not suitable for full diameter measurement

CHAMPLIN PETROLEUM COMPANY
Well: ARE 111-01

Date: 29-JUL-1986

ITCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %		
87	15320.0-21.0	.12	.07		6.5	0.0	64.0	2.64	
88	15321.0-22.0	NA	NA		7.0	0.0	60.0	2.64	
89	15322.0-23.0	NA	NA		6.8	0.0	65.6	2.64	
90	15323.0-24.0	NA	NA		7.0	0.0	65.8	2.64	
91	15324.0-25.0	NA	NA		7.4	0.0	61.8	2.64	
92	15325.0-26.0	NA	NA		6.8	0.0	65.6	2.65	
93	15326.0-27.0	.11	.10		7.4	0.0	62.9	2.64	
94	15327.0-28.0	.11	.11		7.4	0.0	62.2	2.64	
95	15328.0-29.0	.14	.12		7.5	0.0	56.9	2.65	
96	15329.0-30.0	NA	NA		8.3	0.0	64.6	2.65	
97	15330.0-31.0	.20	.17		7.2	0.0	57.0	2.65	
98	15331.0-32.0	NA	NA		7.6	0.0	59.1	2.65	
99	15332.0-33.0	NA	NA		5.7	0.0	62.0	2.65	
100	15333.0-34.0	.44	.09		4.9	0.0	64.7	2.65	
101	15334.0-35.0	NA	NA		4.6	0.0	66.6	2.66	
102	15335.0-36.0	NA	NA		4.6	0.0	65.6	2.65	
103	15336.0-37.0	.04 ¹	NA ¹		3.9	0.0	69.4	2.65	
104	15337.0-38.0	.07	.05		4.0	0.0	67.7	2.65	
105	15338.0-39.0	NA	NA		4.9	0.0	63.3	2.66	
106	15339.0-40.0	NA	NA		5.1	0.0	61.8	2.65	
107	15340.0-41.0	NA	NA		5.8	0.0	69.3	2.65	
108	15341.0-42.0	NA	NA		9.1	0.0	64.7	2.65	

¹ Plug permeability - sample not suitable for full diameter measurement

CHAMPLIN PETROLEUM COMPANY
Well: ARE U11-01

Date: 29-JUL-1986

ITCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity Z	Saturation			Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil Z	H2O Z	Z		
109	15342.0-43.0	NA	NA		8.4	0.0	69.8	2.64		
110	15343.0-44.0	.07 ¹	NA	¹	7.7	0.0	69.2	2.64		
111	15344.0-45.0	NA	NA		11.5	0.0	60.7	2.65		
112	15345.0-46.0	NA	NA		11.3	0.0	59.9	2.65		
113	15346.0-47.0	NA	NA		11.7	0.0	61.2	2.65		
114	15347.0-48.0	NA	NA		9.6	0.0	71.3	2.66		
115	15348.0-49.0	NA	NA		8.7	0.0	70.8	2.65		
116	15349.0-50.0	.10	.09		8.9	0.0	72.1	2.65		
117	15350.0-51.0	NA	NA		8.3	0.0	69.9	2.65		
118	15351.0-52.0	NA	NA		7.8	0.0	71.0	2.65		
119	15352.0-53.0	NA	NA		7.3	0.0	72.3	2.65		
120	15353.0-54.0	NA	NA		7.3	0.0	69.1	2.66		
121	15354.0-55.0	.04 ¹	NA	¹	6.0	0.0	76.6	2.64		
122	15355.0-56.0	.14	.10		8.9	0.0	63.5	2.64		
123	15356.0-57.0	NA	NA		9.2	0.0	61.7	2.65		
124	15357.0-58.0	.18 ¹	NA	¹	8.9	0.0	67.8	2.64		
125	15358.0-59.0	.03	NA		8.3	0.0	64.6	2.64		
126	15359.0-60.0	NA	NA		8.7	0.0	64.1	2.66		
127	15360.0-61.0	.10	.08		8.4	0.0	68.6	2.65		
128	15361.0-62.0	NA	NA		8.1	0.0	63.9	2.64		
129	15362.0-63.0	NA	NA		8.1	0.0	69.5	2.65		
130	15363.0-64.0	NA	NA		8.1	0.0	70.1	2.65		

¹ Plug permeability - sample not suitable for full diameter measurement

CHAMPLIN PETROLEUM COMPANY
Well: ARE W11-01

Date: 29-JUL-1986

TICS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation			Brain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %	Z		
131	15364.0-65.0	NA	NA		7.0	0.0	67.1	2.64		
132	15365.0-66.0	NA	NA		7.6	0.0	71.5	2.65		
133	15366.0-67.0	NA	NA		7.5	0.0	71.3	2.65		
134	15367.0-68.0	.10	.09		6.9	0.0	71.2	2.64		
135	15368.0-69.0	NA	NA		6.9	0.0	73.0	2.64		
136	15369.0-70.0	NA	NA		6.9	0.0	72.1	2.64		
137	15370.0-71.0	.09	.08		6.5	0.0	74.8	2.64		
138	15371.0-72.0	NA	NA		6.8	0.0	74.0	2.65		
139	15372.0-73.0	NA	NA		6.2	0.0	71.6	2.65		
140	15373.0-74.0	.04 ¹	NA ¹		6.1	0.0	53.9	2.66		
141	15374.0-75.0	.07	.06		6.2	0.0	69.7	2.65		
142	15375.0-76.0	NA	NA		6.3	0.0	68.8	2.64		
143	15376.0-77.0	NA	NA		6.7	0.0	66.5	2.65		
144	15377.0-78.0	NA	NA		6.3	0.0	68.6	2.64		
145	15378.0-79.0	NA	NA		6.8	0.0	66.6	2.64		
146	15379.0-80.0	NA	NA		7.0	0.0	70.9	2.64		
147	15380.0-81.0	NA	NA		6.8	0.0	67.8	2.65		
148	15381.0-82.0	NA	NA		6.8	0.0	70.3	2.64		
149	15382.0-83.0	NA	NA		7.0	0.0	70.2	2.65		
150	15383.0-84.0	.08	.07		7.8	0.0	67.1	2.65		
151	15384.0-85.0	.09	.08		7.4	0.0	64.1	2.65		
152	15385.0-86.0	NA	NA		7.5	0.0	64.2	2.65		

¹ Plug permeability - sample not suitable for full diameter measurement

CHAMPLIN PETROLEUM COMPANY
Well: ARE U11-01

Date: 29-JUL-1986

TTCS File #: 86263

FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity Z	Saturation			Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil Z	H2O Z	Z		
153	15386.0-87.0	NA	NA		7.1	0.0	60.7	2.66		
154	15387.0-88.0	.11	.08		6.9	0.0	64.4	2.64		
155	15388.0-89.0	NA	NA		7.5	0.0	70.5	2.65		
156	15389.0-90.0	NA	NA		7.0	0.0	72.2	2.66		
157	15390.0-91.0	NA	NA		8.6	0.0	68.3	2.65		
158	15391.0-92.0	.08	.06		7.6	0.0	71.8	2.66		
159	15392.0-93.0	.17	.14		9.9	0.0	68.3	2.64		
160	15393.0-94.0	.19	.17		10.2	0.0	61.9	2.65		
161	15394.0-95.0	NA	NA		10.7	0.0	60.2	2.65		
162	15395.0-96.0	NA	NA		10.2	0.0	60.7	2.64		
163	15396.0-97.0	.21	.18		10.1	0.0	64.1	2.64		
164	15397.0-98.0	NA	NA		10.5	0.0	61.9	2.64		
165	15398.0-99.0	NA	NA		10.5	0.0	64.4	2.64		
166	15399.0-00.0	NA	NA		10.1	0.0	65.6	2.64		
167	15400.0-01.0	NA	NA		10.3	0.0	63.9	2.64		
168	15401.0-02.0	NA	NA		10.7	0.0	62.1	2.64		
169	15402.0-03.0	.37	1.2		11.0	0.0	58.7	2.64		
170	15403.0-04.0	NA	NA		10.9	0.0	61.8	2.64		
171	15404.0-05.0	NA	NA		10.6	0.0	60.7	2.64		
172	15405.0-06.0	.73	1.5		11.5	0.0	61.5	2.64		
173	15406.0-07.0	.52	.43		11.7	0.0	61.6	2.64		
174	15407.0-08.0	.90	.75		11.6	0.0	57.0	2.64		
175	15408.0-09.0	NA	NA		11.4	0.0	59.0	2.64		

CHAMPLIN PETROLEUM COMPANY
Well: ARE U11-01

Date: 29-JUL-1986

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FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %		
176	15409.0-10.0	.44	.39		10.7	0.0	57.2	2.64	
177	15410.0-11.0	.52	.51		10.5	0.0	53.3	2.64	
178	15411.0-12.0	.82 ¹	.48 ¹		10.4	0.0	53.5	2.65	
179	15412.0-13.0	.19 ¹	NA ¹		9.8	0.0	52.3	2.64	
180	15413.0-14.0	.18 ¹	NA ¹		10.1	0.0	53.9	2.64	
181	15414.0-15.0	.30 ¹	NA ¹		10.1	0.0	54.8	2.64	
182	15415.0-16.0	NA	NA		10.3	0.0	51.1	2.64	
183	15416.0-17.0	NA	NA		9.4	0.0	53.8	2.65	
184	15417.0-18.0	1.0 ¹	NA ¹		9.7	0.0	42.8	2.65	
185	15418.0-19.0	NA	NA		9.3	0.0	61.8	2.65	
186	15419.0-20.0	NA	NA		4.6	0.0	38.4	2.66	
187	15420.0-21.0	NA	NA		5.7	0.0	48.3	2.65	
188	15421.0-22.0	NA	NA		3.7	0.0	54.3	2.66	
189	15422.0-23.0	.02 ¹	NA ¹		5.2	0.0	63.5	2.66	
190	15423.0-24.0	.02 ¹	NA ¹		5.6	0.0	56.7	2.67	
191	15424.0-25.0	NA	NA		6.8	0.0	51.6	2.66	
192	15425.0-26.0	NA ¹	NA ¹		6.6	0.0	51.6	2.65	
193	15426.0-27.0	.01 ¹	NA ¹		6.8	0.0	49.4	2.65	
194	15427.0-28.0	.03	.02		6.7	0.0	54.2	2.65	
195	15428.0-29.0	NA	NA		7.4	0.0	59.0	2.65	
196	15429.0-30.0	NA	NA		9.7	0.0	49.6	2.65	
197	15430.0-31.0	.10	.09		10.3	0.0	57.0	2.64	

¹ Plug permeability - sample not suitable for full diameter measurement

CHAMPLIN PETROLEUM COMPANY
Well: ARE U11-01

Date: 29-JUL-1986

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FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation			Grain Density (gm/cc)	Lithology
		Horz (md)	Horz-90 (md)	Vert (md)		Oil %	H2O %			
198	15431.0-32.0	.13	.12		10.2	0.0	60.8	2.64		
199	15432.0-33.0	NA	NA		10.7	0.0	53.3	2.64		
200	15433.0-34.0	NA	NA		10.4	0.0	57.7	2.64		
201	15434.0-35.0	NA	NA		9.7	0.0	57.3	2.65		
202	15435.0-36.0	NA	NA		10.3	0.0	57.3	2.64		
203	15436.0-37.0	.19 ¹	NA ¹		10.1	0.0	62.2	2.64		
204	15437.0-38.0	NA	NA		10.6	0.0	46.8	2.64		
205	15438.0-39.0	NA	NA		11.0	0.0	48.5	2.65		
206	15439.0-40.0	NA	NA		10.5	0.0	36.8	2.64		
207	15440.0-41.0	NA	NA		10.2	0.0	55.9	2.64		
208	15441.0-42.0	.21	.15		10.1	0.0	57.3	2.64		
209	15442.0-43.0	.23	.20		10.5	0.0	51.6	2.64		
210	15443.0-44.0	NA	NA		10.1	0.0	58.1	2.64		
211	15444.0-45.0	NA	NA		10.1	0.0	58.9	2.64		
212	15445.0-46.0	NA	NA		10.0	0.0	44.8	2.64		
213	15446.0-47.0	NA	NA		10.6	0.0	57.0	2.64		
214	15447.0-48.0	NA	NA		10.0	0.0	62.6	2.64		

¹ Plug permeability - sample not suitable for full diameter measurement



RECEIVED

REPORT

JUL 31 1986

of

DIVISION OF OIL
GAS & MINING

SUB-SURFACE

DIRECTIONAL

SURVEY

080419

CHAMPLIN PETROLEUM COMPANY
COMPANY

W11-01
WELL NAME

SUMMIT COUNTY, UTAH
LOCATION

43.043.30277

JOB NUMBER

410-0252

TYPE OF SURVEY

SEEKER

DATE

23-JUL-86

SURVEY BY
JODY SCHRADER

OFFICE
CASPER

EASTMAN WHIPSTOCK, INC.

RECORD OF SURVEY

FOR

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* * * * *
*
* OPERATOR      : CHAMPLIN PETROLEUM COMPANY
*
* WELL NAME     : CPC W11-01
*
* LOCATION      : SUMMIT COUNTY, UTAH
*
* JOB NUMBER    :
*
* RIG           :
*
* DECLINATION   : 0.00 E
*
*
*                PLANE OF VERTICAL SECTION
*
*
*                DIRECTION : S 81  6 E
*
* * * * *
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EW DISTRICT : ROCKY MOUNTAIN DIST.



MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	VERTICAL SECTION	RECTANGULAR COORDINATES	DOGLEG SEVERITY
0.00	0 0	N 0 0 E	0.00	0.00	0.00	0.00 N 0.00 E	0.00
250.00	0 51	S 19 13 W	250.00	249.99	-0.33	1.74 S 0.61 W	0.34
500.00	0 45	S 23 15 W	250.00	499.97	-1.07	4.97 S 1.86 W	0.05
750.00	0 18	N 85 7 E	250.00	749.96	0.27	6.52 S 0.74 W	0.37
1000.00	0 37	N 86 5 E	250.00	999.95	2.22	6.37 S 1.25 E	0.12
1250.00	1 13	N 19 30 E	250.00	1249.91	4.83	4.09 S 4.25 E	0.45
1500.00	1 28	N 13 58 E	250.00	1499.85	5.63	1.51 N 5.93 E	0.11
1750.00	1 45	N 24 42 E	250.00	1749.75	6.90	8.11 N 8.25 E	0.16
2000.00	2 7	N 23 34 E	250.00	1999.61	9.11	15.79 N 11.69 E	0.15
2250.00	1 27	N 17 39 E	250.00	2249.48	10.68	23.06 N 14.42 E	0.28
2500.00	2 16	N 43 1 E	250.00	2499.35	13.61	29.98 N 18.48 E	0.46
2750.00	2 46	N 48 1 E	250.00	2749.11	20.16	37.67 N 26.30 E	0.22
3000.00	2 48	N 43 40 E	250.00	2998.81	27.43	46.10 N 34.99 E	0.09
3250.00	2 40	N 49 35 E	250.00	3248.53	34.72	54.29 N 43.65 E	0.13
3500.00	2 7	N 58 3 E	250.00	3498.31	42.08	60.44 N 52.06 E	0.26
3750.00	1 15	N 45 31 E	250.00	3748.20	47.08	64.98 N 57.83 E	0.37
4000.00	1 0	N 53 46 E	250.00	3998.15	50.29	68.17 N 61.58 E	0.12
4250.00	1 45	N 87 16 E	250.00	4248.08	55.50	70.14 N 67.16 E	0.43
4500.00	1 32	N 78 11 E	250.00	4497.97	62.36	71.05 N 74.25 E	0.14
4750.00	1 48	S 82 18 E	250.00	4747.87	69.47	71.31 N 81.49 E	0.25
5000.00	1 56	S 73 51 E	250.00	4997.73	77.62	69.62 N 89.47 E	0.12
5250.00	1 47	S 59 19 E	250.00	5247.60	85.44	66.41 N 96.88 E	0.20
5500.00	2 17	S 74 10 E	250.00	5497.45	93.98	62.92 N 104.98 E	0.29
5750.00	2 57	S 86 13 E	250.00	5747.18	105.37	60.98 N 116.21 E	0.35
6000.00	0 48	N 79 7 E	250.00	5997.03	113.35	61.49 N 124.36 E	0.88
6250.00	2 17	N 59 6 W	250.00	6246.94	113.45	66.63 N 125.27 E	1.17
6500.00	4 46	N 51 3 W	250.00	6496.44	99.63	75.43 N 112.66 E	1.01
6750.00	4 11	N 54 2 W	250.00	6745.68	82.51	87.29 N 97.18 E	0.25
7000.00	3 27	N 37 36 W	250.00	6995.13	68.98	98.84 N 85.30 E	0.52
7250.00	2 53	N 33 52 W	250.00	7244.74	59.27	110.06 N 77.23 E	0.24

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MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	VERTICAL SECTION	RECTANGULAR COORDINATES	DOGLEG SEVERITY
7500.00	3 5	N 8 33 W	250.00	7494.40	52.80	122.08 N 72.56 E	0.53
7750.00	4 6	N 5 17 E	250.00	7743.91	49.94	137.70 N 72.12 E	0.54
8000.00	3 14	N 6 17 E	250.00	7993.39	49.07	153.61 N 73.73 E	0.35
8250.00	2 15	N 7 47 E	250.00	8243.11	48.68	165.47 N 75.19 E	0.39
8500.00	1 54	N 2 49 E	250.00	8492.94	48.12	174.47 N 76.03 E	0.16
8750.00	1 33	N 12 19 E	250.00	8742.83	47.94	181.90 N 77.02 E	0.18
9000.00	1 32	N 1 39 E	250.00	8992.75	47.72	188.64 N 77.84 E	0.11
9250.00	1 22	N 7 13 E	250.00	9242.67	47.22	194.94 N 78.33 E	0.09
9500.00	1 8	N 9 7 E	250.00	9492.61	47.15	200.32 N 79.10 E	0.10
9750.00	1 2	N 8 40 E	250.00	9742.56	47.15	204.96 N 79.83 E	0.04
10000.00	1 6	N 9 54 E	250.00	9992.52	47.18	209.54 N 80.58 E	0.03
10250.00	1 5	N 5 22 E	250.00	10242.47	47.08	214.31 N 81.22 E	0.04
10500.00	1 1	N 0 23 W	250.00	10492.43	46.57	218.88 N 81.41 E	0.05
10750.00	0 59	N 2 16 W	250.00	10742.39	45.80	223.21 N 81.31 E	0.02
11000.00	1 10	N 9 37 E	250.00	10992.35	45.37	227.85 N 81.61 E	0.11
11250.00	1 57	N 9 41 E	250.00	11242.26	45.46	234.52 N 82.75 E	0.31
11500.00	2 41	N 0 46 E	250.00	11492.05	44.81	244.55 N 83.66 E	0.33
11600.00	2 29	N 0 33 E	100.00	11591.95	44.17	249.06 N 83.72 E	0.19
11700.00	3 1	N 15 21 E	100.00	11691.83	44.09	253.81 N 84.38 E	0.88
11800.00	4 27	N 33 41 E	100.00	11791.62	45.84	259.71 N 87.07 E	1.85
11900.00	5 18	N 53 29 E	100.00	11891.26	50.65	265.85 N 92.91 E	1.88
12000.00	5 41	N 66 42 E	100.00	11990.80	58.10	270.61 N 101.19 E	1.32
12100.00	6 18	N 76 20 E	100.00	12090.25	67.35	273.91 N 111.07 E	1.18
12200.00	7 15	N 79 36 E	100.00	12189.55	78.37	276.37 N 122.61 E	1.04
12300.00	7 43	N 80 43 E	100.00	12288.70	90.71	278.60 N 135.45 E	0.48
12400.00	8 24	N 83 33 E	100.00	12387.71	104.14	280.52 N 149.34 E	0.79
12500.00	7 51	N 79 1 E	100.00	12486.70	117.61	282.66 N 163.31 E	0.85
12600.00	6 32	N 70 28 E	100.00	12585.91	129.02	285.95 N 175.38 E	1.69
12700.00	6 22	N 55 11 E	100.00	12685.28	138.07	291.07 N 185.34 E	1.72
12800.00	5 33	N 43 25 E	100.00	12784.74	144.79	297.82 N 193.20 E	1.46

CONTINUED ON NEXT PAGE ...



MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	VERTICAL SECTION	RECTANGULAR COORDINATES		DOGLEG SEVERITY
12900.00	4 47	N 38 59 E	100.00	12884.33	149.60	304.60 N	199.13 E	0.87
13000.00	4 2	N 35 34 E	100.00	12984.04	153.25	310.71 N	203.78 E	0.79
13100.00	4 20	N 33 43 E	100.00	13083.77	156.41	316.70 N	207.92 E	0.33
13200.00	4 54	N 46 13 E	100.00	13183.45	160.56	322.86 N	213.08 E	1.16
13300.00	5 17	N 72 18 E	100.00	13283.05	167.34	327.36 N	220.65 E	2.33
13400.00	6 7	S 82 17 E	100.00	13382.55	176.90	328.22 N	230.47 E	2.63
13500.00	5 12	S 64 47 E	100.00	13482.07	186.64	325.43 N	239.89 E	1.94
13600.00	4 53	S 60 28 E	100.00	13581.68	194.98	321.39 N	247.69 E	0.50
13700.00	6 4	S 54 52 E	100.00	13681.22	203.74	316.29 N	255.76 E	1.30
13800.00	7 49	S 55 42 E	100.00	13780.48	214.62	309.40 N	265.70 E	1.74
13900.00	9 52	S 52 17 E	100.00	13879.29	228.29	300.37 N	278.12 E	2.11
14000.00	12 10	S 47 24 E	100.00	13977.44	244.61	288.06 N	292.71 E	2.48
14100.00	15 21	S 43 29 E	100.00	14074.56	263.92	271.39 N	309.64 E	3.31
14200.00	17 9	S 43 56 E	100.00	14170.57	286.15	251.16 N	328.97 E	1.82
14300.00	17 59	S 46 18 E	100.00	14265.90	310.57	229.86 N	350.35 E	1.10
14400.00	18 31	S 50 17 E	100.00	14360.87	336.88	209.03 N	373.73 E	1.36
14500.00	18 31	S 57 4 E	100.00	14455.69	365.05	190.24 N	399.29 E	2.15
14600.00	18 3	S 60 55 E	100.00	14550.64	394.11	174.08 N	426.18 E	1.29
14700.00	18 10	S 65 10 E	100.00	14645.68	423.66	159.99 N	453.88 E	1.32
14754.00	18 40	S 66 5 E	54.00	14696.92	440.10	152.95 N	469.42 E	1.05
14800.00	19 18	S 63 2 E	46.00	14740.42	454.45	146.52 N	482.94 E	2.57
14900.00	23 39	S 55 13 E	100.00	14833.45	488.37	127.75 N	514.33 E	5.19
15000.00	26 15	S 51 17 E	100.00	14924.10	525.66	102.51 N	548.13 E	3.09
15100.00	28 27	S 48 57 E	100.00	15012.92	565.04	73.05 N	583.37 E	2.44
15200.00	30 45	S 48 16 E	100.00	15099.87	606.70	40.40 N	620.42 E	2.33
15300.00	31 34	S 46 30 E	100.00	15185.44	649.73	5.37 N	658.49 E	1.23
15400.00	29 27	S 45 7 E	100.00	15271.59	691.17	30.01 S	694.89 E	2.23
15450.00	29 6	S 45 14 E	50.00	15315.20	710.97	47.25 S	712.24 E	0.70

CLOSURE - DISTANCE : 713.80
 DIRECTION : S 86 12 E

REPORT UNITS : Feet
 SURVEY CALCULATION METHOD : Radius of curvature

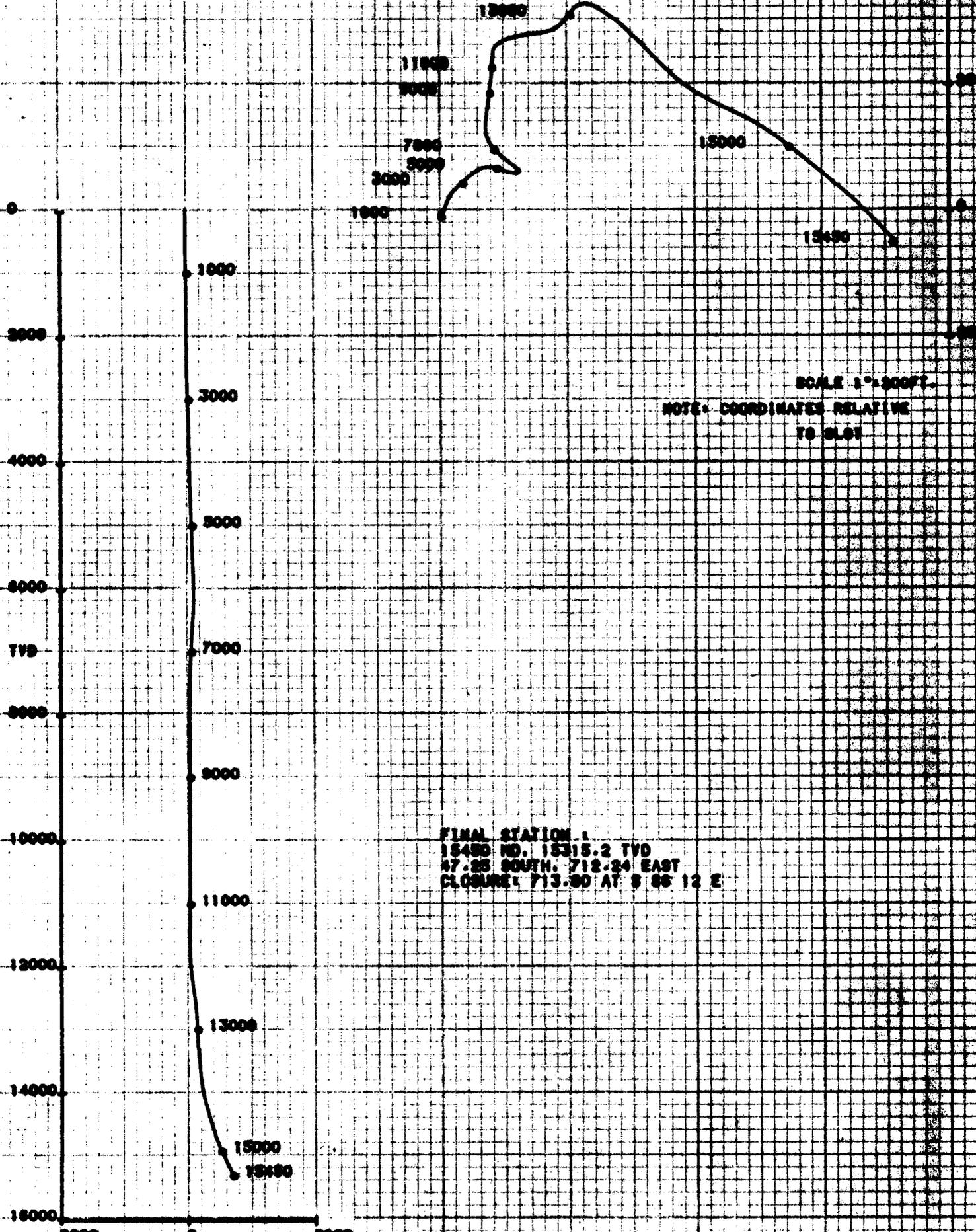


SURVEY RUN INFORMATION

=====

SEEKER:0-15450/23-JUL-86

410-0252/JODY SCHRADER



SCALE 1"=300FT.
 NOTE: COORDINATES RELATIVE
 TO SLOT

FINAL STATION:
 15480 MD, 15315.2 TVB
 47.25 SOUTH, 712.24 EAST
 CLOSURE: 713.80 AT S 86 12 E

V. SECTION PLANE:
 SURVEY ORIENTED 862
 2000 0 2000
 201° 00' E

CHAMPLIN PETROLEUM COMPANY
 201-276-011-01
 201-276-011-01

SCALE 1"=300FT.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING **092316**

SUBMIT **TRIPPLICATE***
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. Fee	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME Anschutz Ranch East	
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		8. FARM OR LEASE NAME Anschutz Ranch East	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NENE, 533' FNL & 1486' FEL		9. WELL NO. W11-01	
14. PERMIT NO. 30277 43-043-30297		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East	
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 8705' KB		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T3N, R7E	
		12. COUNTY OR PARISH Summit	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OPERATOR</u> <input checked="" type="checkbox"/>	
(Other)		<small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company acting as agent for Amoco Rockmont has taken over the operation of the ARE W11-01 well formally drilled and operated by Champlin Petroleum Company.

RECEIVED
SEP 18 1986
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED *Richard D. [Signature]* TITLE Staff Fac. Eng. Supervisor DATE 9-15-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Comp.

092906

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		Fee
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 533' FNL & 1486' FEL		7. UNIT AGREEMENT NAME Anschutz Ranch East FARM OR LEASE NAME W11-01
14. PERMIT NO. 43-043-30297	15. ELEVATIONS (Show whether SP, RT, OR, etc.) 8705' GL 8737' KB	9. WELL NO. W11-01
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Nugget
NOTICE OF INTENTION TO:		11. SEC., T., R., M., OR S.E.K. AND SURVEY OR AREA Sec. 11, T3N, R7E
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	12. COUNTY OR PARISH Summit
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	13. STATE Utah
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		
SUBSEQUENT REPORT OF:		
WATER SHUT-OFF <input type="checkbox"/>		REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>		ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>		ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>		
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		

RECEIVED
SEP 25 1986
DIVISION OF OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The 13 3/8" by 9 5/8" casing annulus will be cemented with 150 sx of Class "H" neat cement to isolate pit disposal fluids from the rest of the wellbore. When the well was completed, pit fluids were disposed of down the subject annulus into the Bear River formation. The 150 sx of cement will be placed such that the top of the cement is roughly 200-250' above the 13 3/8" casing shoe. The bottom of the cement should be located about 200-250' below the 13 3/8" casing shoe. If injection pressures become a limitation the cement plug will be left wherever it is at that point in the annulus.

This work was discussed with John Baza of the UTO&GC on September 15, 1986 at 12:00 p.m. Work should commence September 24, 1986 and be complete the same day.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE STAF FAC ENG SUPV

DATE 9-22-86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 9-26-86
BY: [Signature]

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
SEP 25 1986

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any (See also space 17 below.) At surface 533' FNL & 1486' FEL		8. FARM OR LEASE NAME W11-01
14. PERMIT NO. 43-043-30297		9. WELL NO. W11-01
15. ELEVATIONS (Show whether DV, HT, OR, etc.) 8705' GL 8737' KB		10. FIELD AND POOL, OR WILDCAT Nugget
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA Sec. 11, T3N, R7E
		12. COUNTY OR PARISH 13. STATE Summit Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The 13 3/8" by 9 5/8" casing annulus will be cemented with 150 sx of Class "H" neat cement to isolate pit disposal fluids from the rest of the wellbore. When the well was completed, pit fluids were disposed of down the subject annulus into the Bear River formation. The 150 sx of cement will be placed such that the top of the cement is roughly 200-250' above the 13 3/8" casing shoe. The bottom of the cement should be located about 200-250' below the 13 3/8" casing shoe. If injection pressures become a limitation the cement plug will be left wherever it is at that point in the annulus.

This work was discussed with John Baza of the UTO&GC on September 15, 1986 at 12:00 p.m. Work should commence September 24, 1986 and be complete the same day.

18. I hereby certify that the foregoing is true and correct

SIGNED John Baza TITLE STAF FAC ENG SUPV DATE 9-22-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

CONDITIONS OF APPROVAL, IF ANY: _____ DATE: 9-26-86

*See Instructions on Reverse Side BY: Original Signed by John B. Baza

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **TRIPPLICATE***
(Other instructions on reverse side)

100103

4

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		Fee
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 533' FNL & 1486' FEL		7. UNIT AGREEMENT NAME Anschutz Ranch East
14. PERMIT NO. 43-043-30277	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8705' GL 8737' KB	8. FARM OR LEASE NAME W11-01
		9. WELL NO. W11-01
		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T3N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since Amoco has taken over operatorship of this well from Champlin the remaining pit disposal fluids have been pumped into the 13 3/8" - 9 5/8" casing annulus. A total of 5430 bbls of fluid were pumped into the annulus at a maximum pressure of 1400 psi during the following days: Sept. 12th, 13th, and Sept 17th, 1986. The annulus will be cemented during the week of Sept 21st - 28th isolating the fluids from the rest of the wellbore.

RECEIVED
SEP 29 1986
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE STF FAC ENG. SUPERVISOR DATE 9-24-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

100726

P

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">RECEIVED</div> <div style="font-size: 1.2em; font-weight: bold;">OCT 02 1986</div> <div style="font-size: 1.2em; font-weight: bold;">DIVISION OF OIL, GAS & MINING</div>	5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930			7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 533' FNL & 1486' FEL			8. FARM OR LEASE NAME W11-01
14. PERMIT NO. 43-043-30297		15. ELEVATIONS (Show whether DF, ST, OR, etc.) 8705' GL 8737' KB	9. WELL NO. W11-01
16. PERMIT NO.		17. COUNTY OR PARISH Summit	10. FIELD AND POOL, OR WILDCAT Nugget
18. STATE		11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA Sec. 11, T3N, R7E	12. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDISING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The 13 3/8" x 9 5/8" casing annulus was cemented with 150 sx of Class "G" cement. The top of cement was displaced to approximately 200' - 250' above the 13 3/8" casing shoe. The bottom of cement should have been an equal distance below the 13 3/8" casing shoe. The cement was displaced with 30 bbl fresh water, 361.5 bbl packer fluid and 5 bbl diesel. Maximum rate during the job was 4 BPM; maximum pressure was 1500 psi.

18. I hereby certify that the foregoing is true and correct

SIGNED *Richard D. Young* TITLE Stf Fac Eng Supervisor DATE 9-30-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUB IN TRIPLICATE*
(Other instructions on reverse side)

121007

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Anschutz Ranch East

8. FARM OR LEASE NAME

W11-01

9. WELL NO.

W11-01

10. FIELD AND POOL, OR WILDCAT

Nugget

11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA

Sec. 11, T3N, R7E

12. COUNTY OR PARISH 13. STATE

Summit

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. BOX 829, EVANSTON, WYOMING 82930

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.)
At surface

533' FNL & 1486' FEL

RECEIVED
DEC 01 1986

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.

43-043-3029X

15. ELEVATIONS (Show whether SF, RT, OR, etc.)

8737' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDISE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The following Nugget intervals will be re-perforated using tubing conveyed type guns:

- 14,780' - 14,788'
- 14,796' - 14,860'
- 14,876' - 14,912'
- 14,918' - 14,930'
- 14,940' - 14,982'

The following Nugget intervals will be added to the existing perforated intervals:

- 14,766' - 14,774'
- 15,014' - 15,054'
- 15,082' - 15,126'

Work should begin December 1, 1986 and will be complete by December 10, 1986. This work was discussed between Bruce Leggett (Amoco) and John Baza (UTOG&M) on 11-17-86 at 4:15 p.m.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE Stf Fac Eng Supervisor

DATE 11-26-86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12-3-86

*See Instructions on Reverse Side

[Signature]

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPLICATE*
(Other instructions on reverse side)

121910

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p align="center"><small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>
<p>2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY</p>		<p>7. UNIT AGREEMENT NAME Anschutz Ranch East</p>
<p>3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930</p>		<p>8. FARM OR LEASE NAME W11-01</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 533' FNL & 1486' FEL</p>		<p>9. WELL NO. W11-01</p>
<p>14. PERMIT NO. 43-043-30297</p>		<p>10. FIELD AND POOL, OR WILDCAT Nugget</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 8737' KB</p>		<p>11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA Sec. 11, T3N, R7E</p>
		<p>12. COUNTY OR PARISH Summit</p>
		<p>13. STATE Utah</p>

RECEIVED
DEC 18 1986
DIVISION OF OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDISING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following Nugget intervals were re-perforated at 4 JSPF:

- 14,780' - 14,788'
- 14,796' - 14,860'
- 14,878' - 14,912'
- 14,918' - 14,930'
- 14,940' - 14,982'

The following Nugget intervals were perforated at 4 JSPF:

- 14,766' - 14,774'
- 15,014' - 15,054'
- 15,082' - 15,126'

Well work was completed on 12/12/86.

18. I hereby certify that the foregoing is true and correct

SIGNED Walter H. Skoffler TITLE Dist Drilling Foreman DATE 12-15-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

ll

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well plugged to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
APR 28 1988

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 533' FNL & 1486' FEL		8. FARM OR LEASE NAME W11-01
14. PERMIT NO. 43-043-30277		9. WELL NO. W11-01
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 8737' KB		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 11, T3N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To increase production this well will be perforated from:
15132' - 15160' and
15188' - 15230' with a wireline perforating gun at 6 shots per foot
0 degrees phased. Work should commence on 4-25-88.

Discussed between John Baza - Utah Oil & Gas and Bruce Leggett - Amoco on
4-22-88 at 3:15 p.m.

COPY

18. I hereby certify that the foregoing is true and correct
SIGNED *Walter L. Shaffer* TITLE District Drilling Supervisor DATE 4-26-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 5-3-88
BY: *John R. Baza*

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Anschutz Ranch East

8. Well Name and Number:

ARE W11-01

9. API Well Number:

43-043-30297

10. Field and Pool, or Wildcat:

ARE-Nugget

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

Amoco Production Company

3. Address and Telephone Number:

P.O. Box 800 Room 1720A Denver, CO 80201

4. Location of Well

Footages: 533' FNL x 1486' FEL

County: Summit

QQ, Sec.,T.,R.,M.: NE/4 NE/4 Sec 11 T3N-R7E

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Down-size tubing
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

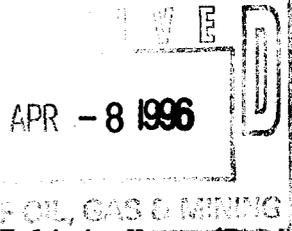
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company down-sized the tubing in the subject well due to andecrease in production by performing the following:

1. CO well to 13,265'
2. Pulled 3 1/2" tubing.
3. Ran 2 3/8" 4.7# tubing to 14,673'.
4. Put well on production.on 9/12/95.



If you require additional information, please contact Felicia Yuen (Project Engineer) @ (303) 830-4859 or Raelene Krcil @ (303) 830-5399.

13.

Name & Signature:

Raelene Krcil

Raelene Krcil

Title:

Regulatory Analyst

Date:

4/2/96

(This space for State use only)

*tax credit
2/5/96*

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

DEMETRIA MARTINEZ
 AMOCO ROCMOUNT COMPANY
 PO BOX 800
 DENVER CO 80201

UTAH ACCOUNT NUMBER: N1390

REPORT PERIOD (MONTH/YEAR): 12 / 97

AMENDED REPORT (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
ANSCHUTZ RANCH EAST W16-12 4304330231	04540	04N 08E 16	NGSD			Fee		
ANSCHUTZ RANCH EAST W20-04 4304330238	04540	04N 08E 20	NGSD			"		
ANSCHUTZ RANCH EAST W29-06A 4304330250	04540	04N 08E 29	NGSD			"		
ANSCHUTZ RANCH EAST W29-14A 4304330251	04540	04N 08E 29	NGSD			"		
ANSCHUTZ RANCH EAST E28-12 4304330257	04540	04N 08E 28	NGSD			"		
ANSCHUTZ RANCH EAST W01-04 4304330270	04540	03N 07E 1	NGSD			"		
ANSCHUTZ RANCH EAST W01-12 4304330271	04540	03N 07E 1	NGSD			"		
ANSCHUTZ RANCH EAST W30-06 4304330273	04540	04N 08E 30	NGSD			"		
ANSCHUTZ RANCH EAST W11-1 4304330277	04540	03N 07E 11	NGSD			"		
ANSCHUTZ RANCH EAST W30-13 4304330279	04540	04N 07E 25	NGSD			"		
ANSCHUTZ RANCH EAST W12-04 4304330283	04540	03N 07E 2	NGSD			"		
ANSCHUTZ RANCH EAST W20-09 4304330286	04540	04N 08E 20	NGSD			"		
ANSCHUTZ RANCH EAST W20-03 4304330291	04540	04N 08E 20	NGSD			"		
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

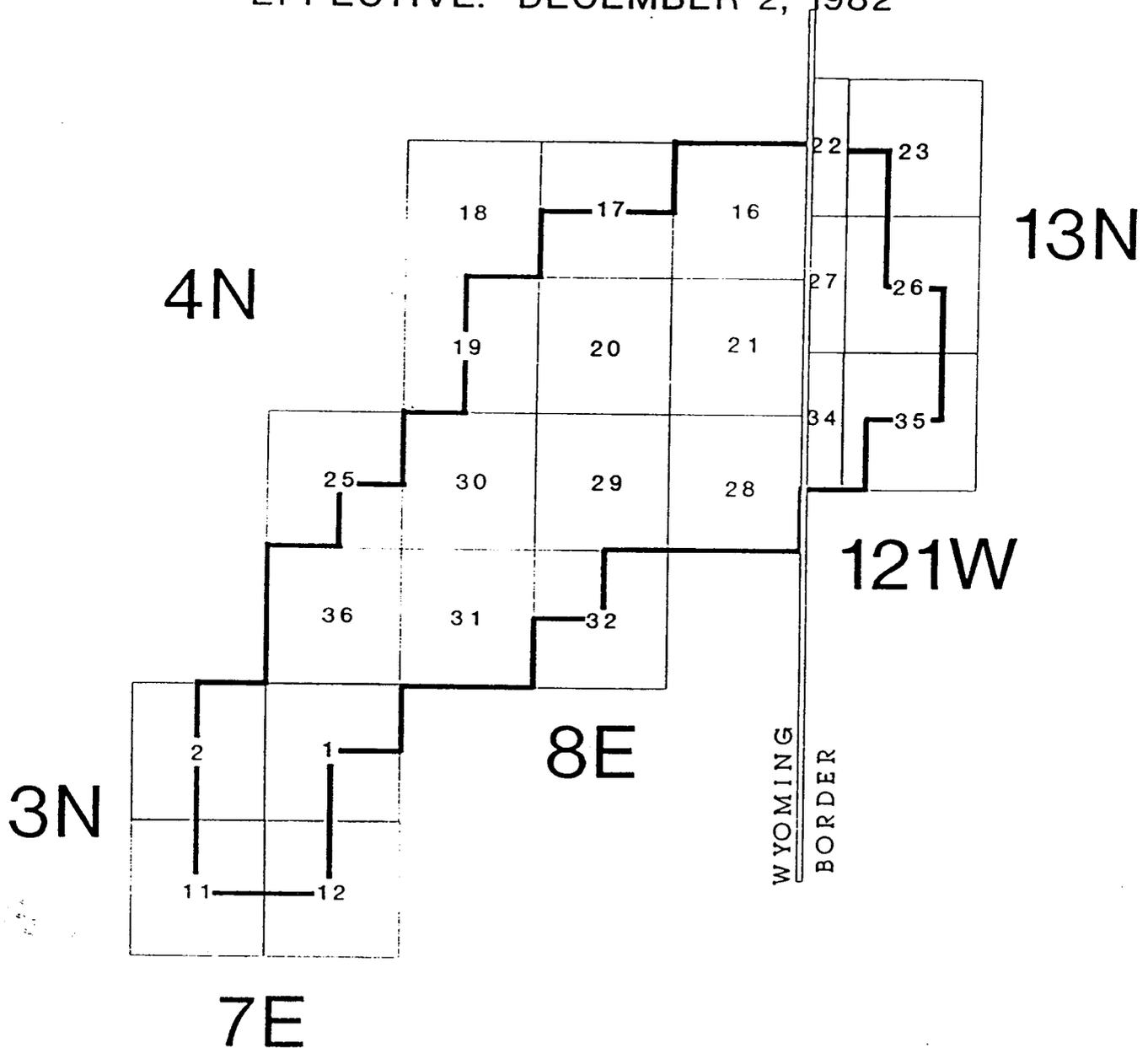
Name and Signature: _____

Telephone Number: _____

ANSCHUTZ RANCH EAST UNIT

Summit County, Utah

EFFECTIVE: DECEMBER 2, 1982



— UNIT OUTLINE (UTU67938X)

AS CONTRACTED DECEMBER 1, 1992

22,158.00 ACRES



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 26, 1998

G. G. Martinez
Amoco Production Company
P. O. Box 800, Room 812B
Denver, Colorado 80201

Re: Notification of Sale or Transfer of Fee Lease Interest

The Division has received notification of a change of operator from Amoco Rocmount Company to Amoco Production Company for the following wells which are located on fee leases:

<u>Well Name</u>	<u>Sec.-T.-R.</u>	<u>API Number</u>
(Anschutz Ranch East "ARE")		
ARE W20-08	20-04N-08E	43-043-30123
ARE 29-04ST1	29-04N-08E	43-043-30129
ARE E21-14	21-04N-08E	43-043-30130
ARE W21-04	21-04N-08E	43-043-30135
ARE W29-02	29-04N-08E	43-043-30136
ARE W16-06	16-04N-08E	43-043-30138
ARE W20-16	20-04N-08E	43-043-30148
ARE W30-16	30-04N-08E	43-043-30156
ARE W36-16	36-04N-07E	43-043-30157
ARE W20-06	20-04N-08E	43-043-30159
ARE W32-04	32-04N-08E	43-043-30162
ARE W31-08	31-04N-08E	43-043-30164
ARE W31-04	31-04N-08E	43-043-30165
ARE W17-16	17-04N-08E	43-043-30176
ARE W30-08	30-04N-08E	43-043-30183
ARE W30-14	30-04N-08E	43-043-30185
ARE W01-06	01-03N-07E	43-043-30188
ARE W31-12	31-04N-08E	43-043-30190
ARE W19-16	19-04N-08E	43-043-30204
ARE W30-10	30-04N-08E	43-043-30215
ARE W31-06	31-04N-08E	43-043-30217

Page 2

G. G. Martinez

Notification of Sale

February 26, 1998

ARE W20-12	20-04N-08E	43-043-30220
ARE E28-06	28-04N-08E	43-043-30226
ARE W36-10	36-04N-07E	43-043-30227
ARE W20-02	20-04N-08E	43-043-30228
ARE W20-10	20-04N-08E	43-043-30229
ARE W16-12	16-04N-08E	43-043-30231
ARE W20-04	20-04N-08E	43-043-30238
ARE W29-06A	29-04N-08E	43-043-30250
ARE W29-14A	29-04N-08E	43-043-30251
ARE E28-12	28-04N-08E	43-043-30257
ARE W01-04	01-03N-07E	43-043-30270
ARE W01-12	01-03N-07E	43-043-30271
ARE W30-06	30-04N-08E	43-043-30273
ARE W11-1	11-03N-07E	43-043-30277
ARE W30-13	25-04N-07E	43-043-30279
ARE W12-04	02-03N-07E	43-043-30283
ARE W20-09	20-04N-08E	43-043-30286
ARE W20-03	20-04N-08E	43-043-30291

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Amoco Production Company of its responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association
Box 1292
Roosevelt, Utah 84066

Page 3

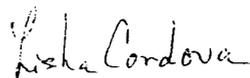
G. G. Martinez

Notification of Sale

February 26, 1998

Your assistance in this matter is appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Lisha Cordova".

Lisha Cordova
Admin. Analyst, Oil & Gas

cc: Amoco Rocmount Company, Ed Hadlock
Utah Royalty Owners Association, Stephen Evans
John R. Baza, Associate Director
Operator File(s)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

8. If Indian, Allottee or Tribe Name:
Anschutz Ranch East

7. Unit Agreement Name:
W11-01

6. Well Name and Number:

9. API Well Number:
43-043-30277

10. Field and Pool, or Wildcat:
ARE-Nugget

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

Amoco Production Company

3. Address and Telephone Number:

P.O. Box 800, Rm 812B, Denver, CO 80201 (303) 830-4781

4. Location of Well

Footages: 533' FNL, 1486' FEL

QQ, Sec., T., R., M.:

Sec 11, T3N, R7E

County: Summit

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

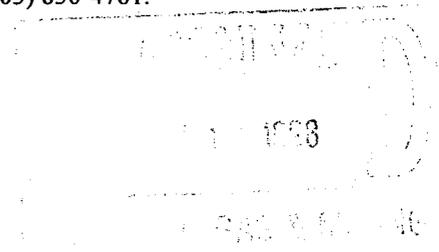
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company is now the operator of the above mentioned well. We will be operating under Utah Bond # 831094. This is effective 1/31/95.

If you require additional information, please contact Gigi Martinez @ (303) 830-4781.



13.

Name & Signature:

G. B. Martinez

Permit Agent

2/5/98

Title:

Date:

State of Delaware
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF DISSOLUTION OF "AMOCO ROCMOUNT COMPANY", FILED IN THIS OFFICE ON THE THIRTY-FIRST DAY OF JANUARY, A.D. 1995, AT 10 O'CLOCK A.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.

Change of operator. Amoco Rocmount to Amoco Production Co Effective 1/31/95



Edward J. Freel

Edward J. Freel, Secretary of State

0934277 8100
950022938

AUTHENTICATION: 7391913
DATE: 01-31-95

*ATTN: Lisha Cordova
801-359-3904*

4 pages

*Ed Hadlock
Amoco Prod. Co
303-830-4993*

CERTIFICATE OF DISSOLUTION
OF
AMOCO ROCMOUNT COMPANY

AMOCO ROCMOUNT COMPANY, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That dissolution was authorized on January 19, 1995.

SECOND: That dissolution has been authorized by the unanimous written consent of all of the stockholders of the corporation entitled to vote on a dissolution in accordance with the provisions of subsection (c) of section 275 of the General Corporation Law of the State of Delaware.

THIRD: That the names and addresses of the directors and officers of AMOCO ROCMOUNT COMPANY are as follows:

DIRECTORS

NAMES

J. M. Brown

J. M. Gross

D. H. Welch

ADDRESSES

501 WestLake Park Boulevard
Houston, TX 77079

501 WestLake Park Boulevard
Houston, TX 77079

200 East Randolph Drive
Chicago, IL 60601

OFFICERS

NAMES

J. M. Brown

M. R. Gile

J. N. Jagers

OFFICES

President

Vice President

Vice President

ADDRESS

501 WestLake Park Blvd.
Houston, TX 77079

1670 Broadway
Denver, CO 80202

1670 Broadway
Denver, CO 80202

<u>NAMES</u>	<u>OFFICES</u>	<u>ADDRESS</u>
D. H. Welch	Vice President	200 East Randolph Drive Chicago, IL 60601
J. M. Gross	Secretary	501 WestLake Park Blvd. Houston, TX 77079
R. B. Wilson	Assistant Secretary	1670 Broadway Denver, CO 80202
Rebecca Gormezano	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
C. F. Helm	Assistant Secretary	519 S. Boston Tulsa, OK 74103
A. L. Haws	Assistant Secretary	501 WestLake Park Blvd. Houston, TX 77079
Daniel B. Pinkert	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
G. L. Paulson	Assistant Secretary	1670 Broadway Denver, CO 80202
J. E. Rutter	Assistant Secretary	501 WestLake Park Blvd. - Houston, TX 77079
J. L. Siddall	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
M. J. Stonecipher	Assistant Secretary	519 S. Boston Tulsa, OK 74103
Rebecca S. McGee	Assistant Secretary	1670 Broadway Denver, CO 80202
Gerald M. Wilson	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
Marsha Williams	Treasurer	200 East Randolph Drive Chicago, IL 60601

IN WITNESS WHEREOF, said AMOCO ROCMOUNT COMPANY has caused this certificate to be signed by M. R. Gile, its Vice President, and attested by Rebecca S. McGee, its Assistant Secretary, this 26th day of January, 1995.

AMOCO ROCMOUNT COMPANY

ATTEST:

By Rebecca S. McGee
Assistant Secretary

By

M. R. Gile, Vice President

STATE OF COLORADO)
)
CITY OF DENVER) ss.

I, Sheela A. White, a Notary Public, do hereby certify that M. R. GILE and Robert J. McGee of the above named AMOCO ROCMOUNT COMPANY, personally known to me to be the same persons whose names are subscribed to the foregoing instrument as Vice President and Assistant Secretary, respectively, appeared before me this day in person, and acknowledged that they signed, sealed and delivered the said instrument as the free and voluntary act of said AMOCO ROCMOUNT COMPANY, and as their own free and voluntary act as Vice President and Assistant Secretary, respectively, for the uses and purposes therein set forth.

GIVEN under my hand and official seal this 26th day of January, 1995.

Sheela A. White
Notary Public

OPERATOR CHANGE WORKSHEET

1-REC	6-REC
2-GRHO	7-KAS
3-ETSA	8-SI
4-VLD	9-FILE
5-IRB	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (~~well sold~~) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 1-31-95

TO: (new operator)	<u>AMOCO PRODUCTION COMPANY</u>	FROM: (old operator)	<u>AMOCO ROCMOUNT COMPANY</u>
(address)	<u>PO BOX 800</u>	(address)	<u>PO BOX 800</u>
	<u>DENVER CO 80201</u>		<u>DENVER CO 80201</u>
			<u>ED HADLOCK</u>
Phone:	<u>(303)830-5340</u>	Phone:	<u>(303)830-5340</u>
Account no.	<u>N0050</u>	Account no.	<u>N1390</u>

WELL(S) attach additional page if needed: ***ANSCHUTZ RANCH EAST UNIT**

Name: **SEE ATTACHED**	API: <u>43-043-30277</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Rec* 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Reg. 2-19-98) (Rec'd 2-26-98)*
- Rec* 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 2-11-98)*
- N/A* 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- N/A* 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Rec* 5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(2-26-98) *QuattroPro/uic "No Chg.", DBASE/uic "No Chg." (See comments)*
- Rec* 6. **Cardex** file has been updated for each well listed above. *(2-26-98)*
- Rec* 7. Well **file labels** have been updated for each well listed above. *(2-26-98)*
- Rec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(2-26-98)*
- Rec* 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Sec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
4540 "Unit Entity"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

Surety No. 831094 (80,000) Issued by Seaboard Surety Co. in behalf of Amoco Prod. Co. and Amoco Rocmount Co.

- Sec 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Sec 2. A copy of this form has been placed in the new and former operator's bond files.
- Sec 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 2-19-98. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Sec 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- Sec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated Feb. 26, 1998, of their responsibility to notify all interest owners of this change.

FILMING

- VB 1. All attachments to this form have been microfilmed. Today's date: 3.20.98.

FILING

- HD 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

980219 Recognized oper. for Anschutz Ranch East Unit (State Unit) already Amoco Production Co.

* UIC wells (Disposal & Gas Injection) were never changed to Amoco Rocmount Company, no change necessary. They were changed in 3270 and have now been changed back to Amoco Prod. Co.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: See Attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		8. WELL NAME and NUMBER: See Attached
2. NAME OF OPERATOR: Amoco Production Company		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 501 Westlake Park Blvd, CITY Houston STATE TX ZIP 77079		10. FIELD AND POOL, OR WILDCAT: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		COUNTY: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.

Attached to this sundry is a listing of wells currently operated by Amoco Production Company. This list includes all wells with the exception of those wells which have a plugged or D&A status.

Also attached for the Board's file is a copy of the Board Resolution approving the name change.

NAME (PLEASE PRINT) Alan Wood TITLE Regulatory Engineer
SIGNATURE  DATE 12/11/2001

(This space for State use only)

RECEIVED

DEC 13 2001

DIVISION OF
OIL, GAS AND MINING

UNITED STATES OF AMERICA §
STATE OF TEXAS §
COUNTY OF HARRIS §
CITY OF HOUSTON §

CERTIFICATE

M. S. Haskins, of lawful age, first being duly sworn on oath, deposes and says:

1. That she is the duly elected, qualified and acting Assistant Secretary of Amoco Production Company, a corporation organized and existing under the laws of the State of Delaware, U.S.A.;

2. That on November 12, 2001, by consent action of the Board of Directors of Amoco Production Company (hereinafter referred to as "Company"), the following resolutions were adopted:

WHEREAS, in connection with BP America Inc.'s ("BP") integration of Atlantic Richfield Company ("ARCO") and Vastar Resources, Inc. ("Vastar"), BP has elected to reorganize, consolidate and merge its upstream onshore Lower 48 assets into a single legal entity to align BP's legal structure with its business organization and to improve operating efficiencies; and

WHEREAS, BP desires Amoco Production Company ("Company") to be such single legal entity for the purposes of such reorganization, consolidation and merger; and

WHEREAS such reorganization, consolidation and merger shall be accomplished by December 31, 2001 pursuant to a Reorganization Agreement ("Agreement") by and between ARCO and BP Company North America Inc. ("BP Company NA"), the parent of Company, resulting in ARCO's upstream onshore Lower 48 assets being transferred to Company and Vastar being merged into Company; and

WHEREAS, pursuant to such Agreement, asset, stock and liability transfers will occur in consideration for Class B common stock of BP Company NA and Company's agreement to assume all obligations and indemnify ARCO for all past and future liabilities relating to such transfers; and

WHEREAS, in connection with such reorganization, Company desires to change its name to BP America Production Company, effective December 31, 2001 with corporate seal as follows; and



WHEREAS all officers and directors of Company will remain unchanged.

NOW, THEREFORE, BE IT,

RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

FURTHER RESOLVED, Company will change its name and corporate seal to BP America Production Company, effective December 31, 2001 and all officers and directors will remain unchanged.

3. That the aforesaid resolutions have not been amended, rescinded, or annulled, but remain in full force and effect on the date hereof.

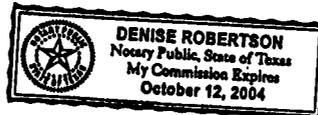
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.



M. S. Haskins
M. S. Haskins

SUBSCRIBED and sworn to before me this 13 day of November, 2001.

(Notary Seal)



Denise Robertson
NOTARY PUBLIC, STATE OF TEXAS

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	Sec	Twp-Rng
43-043-30096-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30106-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST 34-2	SWD	Active Well	ANSCHUTZ RANCH EAST	34	4N-7E
43-043-30123-00-00	AMOCO PRODUCTION CO	ARE W20-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30129-00-00	AMOCO PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30130-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30135-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30136-00-00	AMOCO PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30138-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30139-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING C-1	SWD	Active Well	ANSCHUTZ RANCH EAST	26	4N-7E
43-043-30143-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30145-00-00	AMOCO PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30148-00-00	AMOCO PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30154-00-00	AMOCO PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30156-00-00	AMOCO PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30157-00-00	AMOCO PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30159-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30161-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING D-1	Gas Well	Shut_In	WEBER FORMATION	14	4N-7E
43-043-30162-00-00	AMOCO PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	32	4N-8E
43-043-30164-00-00	AMOCO PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30165-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-04 E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30167-00-00	AMOCO PRODUCTION CO	ARE W36-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30168-00-00	AMOCO PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	9	3N-7E
43-043-30170-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30176-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	17	4N-8E
43-043-30183-00-00	AMOCO PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30185-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W30-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30188-00-00	AMOCO PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30190-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30204-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	19	4N-8E
43-043-30209-00-00	AMOCO PRODUCTION CO	ARE W1-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30215-00-00	AMOCO PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30216-00-00	AMOCO PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30217-00-00	AMOCO PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30218-00-00	AMOCO PRODUCTION CO	ARE W30-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW	✓	5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-31-2001**

FROM: (Old Operator):
AMOCO PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N0050

TO: (New Operator):
BP AMERICA PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N1990

CA No.

Unit: ANSCHUTZ RANCH EAST

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ANSCHUTZ RANCH EAST W01-06	43-043-30188	4540	01-3N-7E	FEE	GW	P
ANSCHUTZ RANCH EAST W01-02	43-043-30209	4540	01-3N-7E	FEE	GW	P
ANSCHUTZ RANCH EAST W01-04	43-043-30270	4540	01-3N-7E	FEE	GW	S
ANSCHUTZ RANCH EAST W01-12	43-043-30271	4540	01-3N-7E	FEE	GW	S
ANSCHUTZ RANCH EAST W12-04	43-043-30283	4540	02-3N-7E	FEE	GW	P
ANSCHUTZ RANCH EAST W11-1	43-043-30277	4540	11-3N-7E	FEE	GW	S
ANSCHUTZ RANCH EAST W30-13	43-043-30279	4540	25-4N-7E	FEE	GW	S
ANSCHUTZ RANCH EAST W36-08	43-043-30167	4540	36-4N-7E	FEE	GW	P
ANSCHUTZ RANCH EAST W36-16	43-043-30157	4540	36-4N-7E	FEE	GW	P
ANSCHUTZ RANCH EAST W36-10	43-043-30227	4540	36-4N-7E	FEE	GW	P
ANSCHUTZ RANCH EAST W36-14	43-043-30255	4540	36-4N-7E	FEE	GW	S
ANSCHUTZ RANCH EAST W16-06	43-043-30138	4540	16-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W16-12	43-043-30231	4540	16-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W16-14	43-043-30096	4540	16-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W17-16	43-043-30176	4540	17-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W19-16	43-043-30204	4540	19-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W20-08	43-043-30123	4540	20-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W20-14	43-043-30145	4540	20-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W20-06	43-043-30159	4540	20-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W20-16	43-043-30148	4540	20-4N-8E	FEE	GW	P

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/13/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/13/2001

3. The new company has been checked through the Department of Commerce, Division of Corporations Database on: 12/14/2001

4. Is the new operator registered in the State of Utah: YES Business Number: PENDING

5. If NO, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change) for all wells listed on Federal or Indian leases on: N/A

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 12/17/2001

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 12/17/2001

3. Bond information entered in RBDMS on: 12/11/2001

4. Fee wells attached to bond in RBDMS on: 12/17/2001

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

INDIAN BOND VERIFICATION:

1. Indian well(s) covered by Bond No.: N/A

FEDERAL BOND VERIFICATION:

1. Federal well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond: 103172911249

2. The FORMER operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

3. (R649-2-10) The FORMER operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 12/19/2001

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: BP AMERICA PRODUCTION COMPANY SUITE A		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 1013 CHEYENNE DR. CITY EVANSTON STATE WY ZIP 82930		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
4. LOCATION OF WELL FOOTAGES AT SURFACE: 533 FNL x 1486 FEL		8. WELL NAME and NUMBER: ARE W11-01
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 11 3N 7E		9. API NUMBER: 4304330277
COUNTY: SUMMIT		10. FIELD AND POOL, OR WILDCAT: ANSCHUTZ RANCH EAST
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The ARE W11-01 is shut in and has not been plugged and abandoned due to potential for future downhole monitoring. BP's plan is to hold these wells in a Temporarily Abandoned status until this potential is verified or eliminated. Upon elimination of potential, the wells will be plugged and abandoned. As for mechanical integrity: These wells all have packers installed and casing pressure is monitored by our field personnel. The wellhead valves are also on a regular PM for greasing and testing.
Please call Kris Lee at 303-423-5749 or Clark Lawler at 307-783-2406 if you have questions.

COPY SENT TO OPERATOR
Date: 11-17-03
Initials: CLD

RECEIVED

THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached sheet).

[Signature]
DIV. OF OIL, GAS & MINING
Utah Division of Oil, Gas and Mining
November 19, 2003

NAME (PLEASE PRINT) Kristina A. Lee TITLE Regulatory Specialist
SIGNATURE *[Signature]* DATE 3/17/2003

(This space for State use only)

INFORMATION REQUIRED TO EXTEND SI/TA OF WELL

Well Name and Number: ARE W11-01
API Number: 43-043-30277
Operator: Merit Energy Company
Reference Document: Original Sundry dated March 17, 2003, received by
DOGGM on March 27, 2003

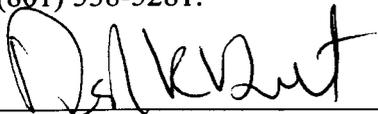
The well has been Shut-in/Temporarily Abandoned for 7 years 2 months. Insufficient information was submitted to the Division to approve the referenced well for continued Shut-in or Temporary Abandonment (SI/TA). The following requirements of R649-3-36 have not been met with this request for SI/TA approval.

1. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
2. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment. (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram and;
2. Copy of recent casing pressure test and/or;
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity and;
4. Fluid level in the wellbore and;
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.



Dustin K. Doucet
Petroleum Engineer

November 19, 2003

Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: BP America Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 501 WestLake Park Blv CITY: Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME: See Attached
PHONE NUMBER: (281) 366-2000		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See Attached
COUNTY: See Attached		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BP America Production Company, effective May 1, 2003, has transferred its interest in the attached list of properties to :

Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240

Transfer of operations is effective July 1, 2003.

By Merit Energy Company

Name Fred N. Dism Title V.P.

Signature [Signature] Date 7/1/03

BP America Production Company
NAME (PLEASE PRINT) David G. Peterson TITLE Attorney-In-Fact
SIGNATURE [Signature] DATE 6/26/03

(This space for State use only)

RECEIVED
JUL 03 2003

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twp-Rng)	Section	Qtr/Qtr	Fl NS	NS	Fl EW	EW
43-043-30096-00-00	BP AMERICA PRODUCTION CO	ARE W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	NWSW	2137	S	686	W
43-043-30106-00-00	BP AMERICA PRODUCTION CO	ARE 34-2	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	34	NWNW	1036	N	1100	W
43-043-30123-00-00	BP AMERICA PRODUCTION CO	ARE W20-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SENE	2202	N	1592	E
43-043-30129-00-00	BP AMERICA PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWNW	627	N	435	W
43-043-30130-00-00	BP AMERICA PRODUCTION CO	ARE E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	21	NWSW	2365	S	200	W
43-043-30135-00-00	BP AMERICA PRODUCTION CO	ARE W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	21	NWNW	1063	N	401	W
43-043-30136-00-00	BP AMERICA PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWNE	662	N	2460	E
43-043-30138-00-00	BP AMERICA PRODUCTION CO	ARE W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	SENE	1314	N	618	E
43-043-30139-00-00	BP AMERICA PRODUCTION CO	ISLAND RANCHING C-1	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	26	SWSE	1324	S	1722	E
43-043-30143-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Shut_In	ANSCHUTZ RANCH	SUMMIT	4N-7E	23	NWNW	860	N	536	W
43-043-30145-00-00	BP AMERICA PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWSW	1518	S	1283	W
43-043-30148-00-00	BP AMERICA PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SWSE	257	S	1640	E
43-043-30154-00-00	BP AMERICA PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWSW	2204	S	22	W
43-043-30156-00-00	BP AMERICA PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NESE	1345	S	968	E
43-043-30157-00-00	BP AMERICA PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SESE	890	S	447	E
43-043-30159-00-00	BP AMERICA PRODUCTION CO	ARE W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNW	1291	N	936	W
43-043-30162-00-00	BP AMERICA PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	32	NWNW	642	N	791	W
43-043-30164-00-00	BP AMERICA PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	NWNE	468	N	2201	E
43-043-30165-00-00	BP AMERICA PRODUCTION CO	ARE W31-04E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	NWNW	111	N	737	W
43-043-30167-00-00	BP AMERICA PRODUCTION CO	ARE W36-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SENE	1641	N	1183	E
43-043-30168-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH	SUMMIT	3N-7E	9	SWNW	1837	N	1286	W
43-043-30170-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	23	NESE	2170	S	680	E
43-043-30176-00-00	BP AMERICA PRODUCTION CO	ARE W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	17	NWSE	1765	S	1444	E
43-043-30183-00-00	BP AMERICA PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SENE	2109	N	665	E
43-043-30185-00-00	BP AMERICA PRODUCTION CO	ARE W30-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SESW	1195	S	1405	W
43-043-30188-00-00	BP AMERICA PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	SENW	1777	N	1666	W
43-043-30190-00-00	BP AMERICA PRODUCTION CO	ARE W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	SWNW	1778	N	640	W
43-043-30204-00-00	BP AMERICA PRODUCTION CO	ARE W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	19	SWSE	1229	S	1350	E
43-043-30209-00-00	BP AMERICA PRODUCTION CO	ARE W01-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	NENW	386	N	2013	W
43-043-30215-00-00	BP AMERICA PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWSE	2230	S	2432	E
43-043-30216-00-00	BP AMERICA PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SESW	626	S	2848	E
43-043-30217-00-00	BP AMERICA PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	SENW	1397	N	2181	W
43-043-30218-00-00	BP AMERICA PRODUCTION CO	ARE W30-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWNE	715	N	2182	E
43-043-30220-00-00	BP AMERICA PRODUCTION CO	ARE W20-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWSW	2531	S	7	W
43-043-30226-00-00	BP AMERICA PRODUCTION CO	ARE E28-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	28	SENW	1900	N	1652	W
43-043-30227-00-00	BP AMERICA PRODUCTION CO	ARE W36-10	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	NESW	2315	S	3185	E
43-043-30228-00-00	BP AMERICA PRODUCTION CO	ARE W20-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNE	319	N	2000	E
43-043-30229-00-00	BP AMERICA PRODUCTION CO	ARE W20-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SENW	2560	N	2567	W
43-043-30231-00-00	BP AMERICA PRODUCTION CO	ARE W16-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	SWNW	2756	S	454	W
43-043-30238-00-00	BP AMERICA PRODUCTION CO	ARE W20-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNW	702	N	414	W
43-043-30248-00-00	BP AMERICA PRODUCTION CO	ARE W30-12A	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWSW	1886	S	47	W
43-043-30250-00-00	BP AMERICA PRODUCTION CO	ARE W29-06A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	SENW	1513	N	1548	W
43-043-30251-00-00	BP AMERICA PRODUCTION CO	ARE W29-14A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWSW	1786	S	795	W
43-043-30255-00-00	BP AMERICA PRODUCTION CO	ARE W36-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SESW	901	S	1780	W
43-043-30257-00-00	BP AMERICA PRODUCTION CO	ARE E28-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	28	NWSW	1994	S	806	W
43-043-30265-00-00	BP AMERICA PRODUCTION CO	ARE W2-10	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	2	NWSE	1959	S	1463	E
43-043-30270-00-00	BP AMERICA PRODUCTION CO	ARE W01-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	SWNW	697	N	465	W
43-043-30271-00-00	BP AMERICA PRODUCTION CO	ARE W01-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	NWSW	2072	S	1669	W
43-043-30272-00-00	BP AMERICA PRODUCTION CO	ARE W19-08	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	19	SENE	2227	N	301	E

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

43-043-30273-00-00	BP AMERICA PRODUCTION CO	ARE W30-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30 SENW	2393 S	1645 W
43-043-30277-00-00	BP AMERICA PRODUCTION CO	ARE W11-1	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	11 NENE	533 N	1486 E
43-043-30279-00-00	BP AMERICA PRODUCTION CO	ARE W30-13	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	25 SESE	597 S	382 E
43-043-30280-00-00	BP AMERICA PRODUCTION CO	ARE W31-05	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31 SWNW	2361 N	282 E
43-043-30283-00-00	BP AMERICA PRODUCTION CO	ARE W12-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	2 SESE	373 S	865 E
43-043-30286-00-00	BP AMERICA PRODUCTION CO	ARE W20-09	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20 SENE	2360 N	430 E
43-043-30291-00-00	BP AMERICA PRODUCTION CO	ARE W20-03	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20 SESW	641 S	1810 W



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
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Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
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(801) 538-7223 TTY
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Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

August 26, 2003

Bruce Williams
BP America Production Company
501 WestLake Park Blvd
Houston, TX 77079

Subject: Notification of Sale or Transfer of Fee Lease Interest

Dear Mr. Williams:

The Division has processed your request for an operator change from BP America Production Company to Merit Energy Company effective July 1, 2003 for the attached list of fee wells.

Utah Administrative Code Rule R649-2-10 states: "The owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred".

This letter is written to advise you of your responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the changer. Please provide written documentation of this notification to:

Utah Royalty Owners Association
PO Box 1292
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

Earlene Russell
Engineering Technician

Attachment

cc: Merit Energy Company
Utah Royalty Owners Association

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: n/a

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: ***

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/26/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2003

3. Bond information entered in RBDMS on: 8/26/2003

4. Fee wells attached to bond in RBDMS on: 8/26/2003

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 103912218

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/26/2003

COMMENTS:

Well Fire
43-043-30277



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240-7312

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Taylor:

Merit Energy Company, as of January 2004, has twenty-four (24) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. This includes twenty (20) Fee Lease Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2
January 22, 2004
Lance Taylor

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

jc
cc: John Baza
Well File

	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months



Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

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FEB 20 2004

DIV. OF OIL, GAS & MINING

- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at lance.taylor@meritenergy.com.

Regards,



Lance L. Taylor
Operations Engineer

Cc: Rusty Ginnetti
Arlene Valliquette
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240-7312

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Taylor:

Merit Energy Company, as of January 2004, has twenty-four (24) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. This includes twenty (20) Fee Lease Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

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2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
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Page 2
January 22, 2004
Lance Taylor

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1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
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4. Fluid level in the wellbore, and
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Sincerely,



Dustin K. Doucet
Petroleum Engineer

jc
cc: John Baza
Well File

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8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months

Return-path: <Lance.Taylor@meritenergy.com>
Received: from imail.meritenergy.com [208.133.141.18]
by UTSTDP13.state.ut.us; Tue, 24 Feb 2004 07:06:49 -0700
Subject: Anschutz Ranch East Unit
To: clintondworshak@utah.gov
Cc: Rusty Ginnetti <Rusty.Ginnetti@meritenergy.com>,
Arlene Valliquette <Arlene.Valliquette@meritenergy.com>,
Dennis Longwell <Dennis.Longwell@meritenergy.com>
X-Mailer: Lotus Notes Release 5.0.10 March 22, 2002
Message-ID: <OF2FAC50A1.BE12C251-ON86256E44.004B0584-
86256E44.004D8670@meritenergy.com>
From: Lance Taylor <Lance.Taylor@meritenergy.com>
Date: Tue, 24 Feb 2004 08:06:46 -0600
X-MIMETrack: Serialize by Router on imail/Meritenergy(Release 6.0.3|September 26, 2003) at
02/24/2004 08:06:49 AM
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Mr. Dworshak,

I'd like to confirm our 2/23/04 telephone conversation in response to my letter dated 2/13/04 regarding extended shut in and temporarily abandoned wellbores in the Anschutz Ranch East Unit ("ARE Unit") of Summit county Utah. It is Merit Energy Company's intention to utilize each wellbore to it's full capacity. As such, Merit is in the process of attempting to reactivate the wellbores in question. Several wellbore specific workovers have been identified, and the approximate timing of each is mentioned in my original letter.

However, the majority of the reactivation work depends on the successful utilization of electric submersible pumps for artificial lift. It is the timing of this project that I would like to address. As you know, this is a capital intensive project, so Merit plans to do the appropriate research prior to implementation. Merit intends to test the idea on the ARE W36-10 within the next 8-12 weeks. Following a 4-12 week test period, Merit will perform a strenuous economic and operational evaluation. If it is determined that the project is valid, full scale implementation could begin as early as June. However, due to the complexity of the equipment, depth of the wells, and unavailability of service rigs, Merit anticipates this project will take several months, possibly one year, to complete. Due to the large volumes of water to be produced by this project, it is likely that one or more of the shut in wells will need to be reactivated as salt water disposal wells. All regulatory and state documentation will be completed prior to SWD conversion.

Finally, if the ESP project is unsuccessful, several of these wellbore have recompletion potential in shallower formations. Specifically, Merit has identified the Jurassic aged Twin Creek formation as a possible recompletion target. Completion practices must be researched and developed in order to ensure economic quantities of hydrocarbons. Again, all state and federal permits will be approved prior to project implementation.

If after all our efforts to economically reactivate these wells fail, Merit Energy will begin the plug and abandonment process. I trust this will clear up any issues of timing. If you have further questions or concerns please feel free to contact me at any of the numbers below.

Regards,

Lance L. Taylor
Operations Engineer-Rockies Region
Merit Energy Company
direct: 972-628-1651
fax: 972-701-0351
mobile: 972-998-9116
lance.taylor@meritenergy.com



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

March 5, 2004

CERTIFIED RETURN RECEIPT NO 7002 0510 0003 8602 4880

Mr. Lance Taylor
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Mr. Taylor,

The Division of Oil, Gas and Mining (DOGM) is in receipt of your letter dated February 13, 2004 in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company (Merit). DOGM accepts Merit's plan of action to recompleate all twenty-four wells by year-end 2004. Many of the recompletions are dependent upon the success of electric submersible pumps; if this experimental procedure is not successful, keep the Division advised of any changes in Merit's plan of action. Based upon the plan of action and other information provided, DOGM approves the twenty-four (24) wells for extended shut-in until January 1, 2005. Please submit recompleation procedures and notice of intent sundries upon finalization.

For reference, Attachment A lists the wells subject to this request. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet
Petroleum Engineer

	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months



MERIT ENERGY COMPANY

13727 Noel Road · Suite 500 · Dallas, Texas 75240
Ph 972.701.8377 · Fx 972.960.1252 · www.meritenergy.com

January 7, 2005

State of Utah – Department of Natural Resources
Division of Oil, Gas, & Mining
Attn: Mr. Dustin Doucet
PO Box 145801
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

This letter is in response to a telephone conversation that I had with Clint Dworshak on December 6, 2004. At that time, he requested that I provide information on Merit Energy Company's shut-in wells at Anschutz Ranch East, proving that the ground waters are protected.

Enclosed, please find a summary sheet, as well as wellbore diagrams for the subject wells.

If you have any questions or wish to discuss this further, please contact me at (972) 628-1550 or electronically at mike.mercer@meritenergy.com.

Sincerely,

Michael L. Mercer
Engineering

UTAH DOGM – SI WELL LIST

Wells to be Reactivated in 2005

- CHAMPLIN 372 C1
 - Packer at 8,320 (MD) 6,648 (TVD)
 - Top of cement (TOC) at 4,906
 - Tubing Pressure 1250#
 - Casing Pressure 0#
 - The 4-1/2" liner is cemented in place at 5090 (below the TOC). The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-06
 - Packer at 13,398
 - Top of cement (TOC) at 12,640
 - Tubing Pressure 0#
 - Casing Pressure 0#
 - The packer is located below the TOC. When Merit set the packer in October 2004, we pressure tested the annulus to 500 psi and it held. Therefore, the casing has integrity and the ground waters are protected.
- ARE W30-02
 - Packer at none
 - Top of cement (TOC) at 12,452
 - Tubing Pressure 0#
 - Casing Pressure 0#
 - Fluid Level 8200' from Surface
 - On 09/02/03, Merit ran a packer in this well and sat it at 13055' (below the TOC). The casing and packer were pressure tested to 1500 psi and held. The packer has since been removed and there is open-ended tubing in the well. However, the casing has integrity and the ground waters are protected.
- ARE W36-14
 - Packer at 13,988
 - Top of cement (TOC) at 13,700
 - Tubing Pressure 400#
 - Casing Pressure 0#
 - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W30-06
 - Packer at 13,450
 - Top of cement (TOC) at 11,200 (7" casing)
 - Tubing Pressure 0#
 - Casing Pressure 0#
 - The packer is set below the TOC. The 9-5/8" casing string has cement f/ 11911-7940. The 13-3/8" casing has cement f/ 5745-1200. With no pressure on the casing, and three strings of casing (7", 9-5/8", 13-3/8"), the ground waters are protected.
- ARE W30-13
 - Packer at 12,320
 - Top of cement (TOC) at 12,200
 - Tubing Pressure 300#
 - Casing Pressure 0#
 - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.

UTAH DOGM – SI WELL LIST

- ARE W31-12
 - Packer at none
 - Top of cement (TOC) at 10,700
 - Casing Pressure 100#
 - Fluid Level 1000' from Surface
 - There is not a packer or tubing in this well. The static fluid level is 1000' from surface. There is a 13-3/8" casing string set at 2846', a 9-5/8" casing string set at 10272', and a 7" tie-back casing string set at 9919'. These three casing strings are protecting the ground waters.

Wells with No Immediate Plans

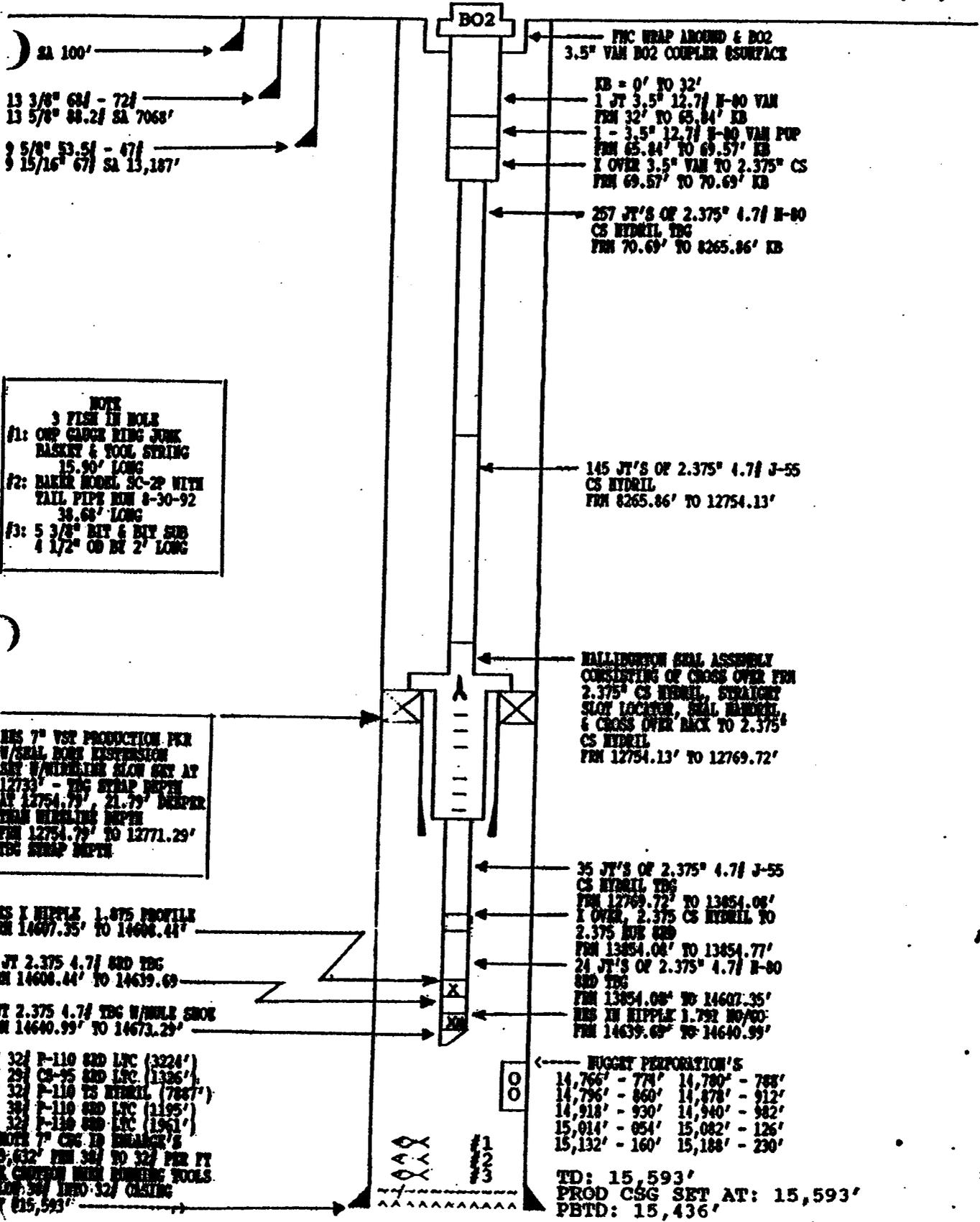
- ARE W31-04
 - Packer at 14,000
 - Top of cement (TOC) at 11,900
 - Tubing Pressure 1100#
 - Casing Pressure 50#
 - This well is a horizontal sidetrack. The primary cement job on the original production casing had a TOC at 11,900. The kick-off point for the horizontal leg is below this depth. Additionally, the drill string was cemented in the horizontal section with the TOC estimated to be between 13126 and 13310. Based on the fact that the tubing and casing pressures are different, the two are not in communication and therefore, the ground waters are protected.
- ARE W01-12
 - Packer at 14,317
 - Top of cement (TOC) at 14,290
 - Tubing Pressure 300#
 - Casing Pressure 0#
 - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W19-16
 - Packer at 9,756
 - Top of cement (TOC) at unknown
 - Tubing Pressure 1000#
 - Casing Pressure 0#
 - The packer is located in the "Tie-Back" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-04
 - Packer (PBR) at 10,489
 - Top of cement (TOC) at 9,415 (9-5/8" & 9-7/8" casing string)
 - Tubing Pressure 0#
 - Casing Pressure 0#
 - Fluid Level 9600' from Surface
 - The tubing is tied into the 5" liner with a polish bore receptacle (PBR) at 10,489. The TOC for the intermediate casing is above this point (at 9,415). The static fluid level is at 9600' (below the TOC), therefore, the ground waters are protected.
- ARE W01-04
 - Packer at 13,891
 - Top of cement (TOC) at 13,600
 - Tubing Pressure 1400#
 - Casing Pressure 100#
 - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.

UTAH DOGM – SI WELL LIST

- ARE W11-01
 - Packer at 12,733
 - Top of cement (TOC) at 12,100
 - Tubing Pressure 1500#
 - Casing Pressure 50#
 - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-03
 - Packer at 13,271
 - Top of cement (TOC) at 12,600
 - Tubing Pressure 1400#
 - Casing Pressure 75#
 - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-14
 - Packer (PBR) at 10,500
 - Top of cement (TOC) at 9,650 (9-5/8" casing)
 - Tubing Pressure 1500#
 - Casing Pressure 850#
 - The tubing is tied into the 4-1/2" liner with a PBR at 10,500. This is below the TOC for the 9-5/8" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-12
 - Packer at 10,304
 - Top of cement (TOC) at 10,100 (9-5/8" casing)
 - Tubing Pressure 50#
 - Casing Pressure 0#
 - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- CHAMPLIN 387 B1A
 - Tubing Pressure 0#
 - Casing Pressure 0#
 - Fluid Level 5200' from surface
 - Merit has no wellfiles regarding this well. We are currently trying to obtain information on this well
- ARE W17-16
 - Packer (PBR) at 10,237
 - Top of cement (TOC) at 10,371 (7-5/8" casing)
 - Tubing Pressure 0#
 - Casing Pressure 0#
 - Fluid Level 8400' from Surface
 - The tubing is tied into the 5" liner with a PBR at 10,237. There is a 13-3/8" casing string set at 2526', a 9-5/8" casing string set at 10701', and a 7" tie-back casing string set at 10237'. These three casing strings are protecting the ground waters.

LEASE: ARBOC WELL: W11-01
 OPERATOR: AMOCO PRODUCTION CO.
 SEC: 11 TWP: 3 N RGE: 7 E

KB: 32'
 DATE: 9/12/95



SA 100' →
 13 3/8" 68' - 72' →
 13 5/8" 88.2' SA 7068' →
 9 5/8" 53.5' - 67' →
 9 15/16" 67' SA 13,187' →

← FPC WRAP AROUND & BO2
 3.5" VAN BO2 COUPLER BSURFACE
 KB = 0' TO 32'
 ← 1 JT 3.5" 12.7' N-80 VAN
 FEN 32' TO 65.84' KB
 ← 1 - 3.5" 12.7' N-80 VAN PUP
 FEN 65.84' TO 69.57' KB
 ← 1 OVER 3.5" VAN TO 2.375" CS
 FEN 69.57' TO 70.69' KB
 ← 257 JT'S OF 2.375" 4.7' N-80
 CS HYDRIL TBC
 FEN 70.69' TO 8265.86' KB

NOTE
 3 FISH IN HOLE
 #1: ONE GAUGE RING JUNK
 BASKET & TOOL STRING
 15.90' LONG
 #2: BAKER MODEL 3C-2P WITH
 TAIL PIPE RUN 8-30-92
 38.68' LONG
 #3: 5 3/8" BIT & BIT SUB
 4 1/2" OD BY 2' LONG

← 145 JT'S OF 2.375" 4.7' J-55
 CS HYDRIL
 FEN 8265.86' TO 12754.13'

← HALLIBURTON SEAL ASSEMBLY
 CONSISTING OF CROSS OVER FEN
 2.375" CS HYDRIL, STRAIGHT
 SLOT LOCATOR, SEAL WARDEN,
 6 CROSS OVER BACK TO 2.375"
 CS HYDRIL
 FEN 12754.13' TO 12769.72'

THIS 7" VSP PRODUCTION FEN
 W/SEAL RING EXTENSION
 SET W/WIRELINE SLOW SET AT
 12733' - TBC STRAP DEPTH
 AT 12754.79' 21.79' DEEPER
 THAN WIRELINE DEPTH
 FEN 12754.79' TO 12771.29'
 TBC STRAP DEPTH

← 35 JT'S OF 2.375" 4.7' J-55
 CS HYDRIL TBC
 FEN 12769.72' TO 13854.06'
 ← 1 OVER, 2.375 CS HYDRIL TO
 2.375 BORE SUB
 FEN 13854.06' TO 13854.77'
 ← 24 JT'S OF 2.375" 4.7' N-80
 8RD TBC
 FEN 13854.06' TO 14607.35'
 ← RES IN RIPPLE 1.792 NO/GO
 FEN 14639.69' TO 14640.99'

RES IN RIPPLE 1.875 PROFILE
 FEN 14607.35' TO 14608.41'

1 JT 2.375 4.7' 8RD TBC
 FEN 14608.44' TO 14639.69'

1 JT 2.375 4.7' TBC W/HOLE SHOULDER
 FEN 14640.99' TO 14673.29'

7" 32' P-110 8RD LFC (3224')
 7" 29' CS-95 8RD LFC (1336')
 7" 32' P-110 TS HYDRIL (7867')
 7" 38' P-110 8RD LFC (1195')
 7" 32' P-110 8RD LFC (1961')

NOTE: 7" CSC IS BRACKET'S
 618.632' FEN 34' TO 32' PER FT
 USE COMMON SENSE RUNNING TOOLS.
 WELD: 30' INFO: 32' CASING
 15,593'

← BUGGY PERFORATION'S
 14,766' - 774' 14,780' - 788'
 14,796' - 860' 14,878' - 912'
 14,918' - 930' 14,940' - 982'
 15,014' - 054' 15,082' - 126'
 15,132' - 160' 15,188' - 230'

TD: 15,593'
 PROD CSG SET AT: 15,593'
 PBT: 15,436'

MERIT ENERGY COMPANY

Anschutz Ranch East Unit

	WELLS	API Number	Tubing Pressure	Casing Pressure	STATUS ON / OFF	Static BHP	Static Fluid Level
1	ARE# W20-06	43-043-30159	100	200	Shut In	1835	7500-9000'
2	ARE# W31-04E	43-043-30165	1200	0	Shut In	?	?
3	ARE# W36-10	43-043-30227	100	0	Shut In	3042	7500-9000'
4	ARE# W36-08	43-043-30167	100	100	Producing	2844	6000-7500'

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE# W21-04	43-043-30135	1850	450	Shut In	4130	12000'
2	Champlin 372 Amoco #C-1	43-043-30143	0	0	Shut In	?	?
3	ARE# W16-06	43-043-30138	0	0	Shut In	?	?
4	ARE# W01-12	43-043-30271	600	0	Shut In	4181	7500-9000'
5	ARE# W30-02	43-043-30218	0	0	Shut In	?	?
6	ARE# W36-14	43-043-30255	2200	1500	Shut In	3420	Perfs
7	ARE# W30-06	43-043-30273	0	0	Shut In	2397	6000-7500'
8	ARE# W20-02	43-043-30228	100	100	Shut In	?	?
9	ARE# W30-13	43-043-30279	900	0	Shut In	3030	7500-9000'
10	ARE# W19-16	43-043-30204	1400	0	Shut In	2645	Perfs
11	ARE# W20-04	43-043-30238	0	0	Shut In	?	?
12	ARE# W31-12	43-043-30190	20	450	Shut In	3494	4500-6000'
13	ARE# W01-04	43-043-30270			Shut In	4505	7500-9000'
14	ARE# W11-01	43-043-30277	1300	50	Shut In	4575	6000-7500'
15	ARE# W20-03	43-043-30291	1800	75	Shut In	3890	10500'
16	ARE# W16-14	43-043-30096	0	800	Shut In	4570	6000-7500'
17	ARE#16-12	43-043-30231	0	0	Shut In	4781	1500-3000'
18	Champlin 387 #B-1A	43-043-30168	0	0	Shut In	?	?
19	ARE# W17-16	43-043-30176	1100	0	Shut In	4734	3000-4500'
20	ARE# E21-14	43-043-30130	200	150	Producing	3926	Perfs

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MERIT ENERGY COMPANY

Anschutz Ranch East Unit

	WELLS	API Number	Tubing Pressure	Casing Pressure	STATUS ON / OFF	Static BHP	Static Fluid Level
1	ARE# W20-06	43-043-30159	100	200	Shut In	1835	7500-9000'
2	ARE# W31-04E	43-043-30165	1200 ¹¹⁰⁰	0 ⁵⁰	Shut In	?	?
3	ARE# W36-10	43-043-30227	100	0	Shut In	3042	7500-9000'
4	ARE# W36-08	43-043-30167	100	100	Producing	2844	6000-7500'

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE# W21-04 Champlin 372	43-043-30135	1850 1250	450 0	Shut In Perfs 6648'	4130	12000'
2	Amoco #C-1	43-043-30143	0	0	Shut In	?	?
3	ARE# W16-06	43-043-30138	0	0	Shut In	?	~2100'
4	ARE# W01-12	43-043-30271	600 ³⁰⁰	0 ⁰	Shut In	4181	7500-9000'
5	ARE# W30-02	43-043-30218	0	0	Shut In	?	?
6	ARE# W36-14	43-043-30255	2200 ⁴⁰⁰	1500 ⁰	Shut In Perfs 14066'	3420	Perfs
7	ARE# W30-06	43-043-30273	0 ⁰	0 ⁰	Shut In	2397	6000-7500'
8	ARE# W20-02	43-043-30228	100	100	Shut In	?	?
9	ARE# W30-13	43-043-30279	900 ³⁰⁰	0 ⁰	Shut In	3030	7500-9000'
10	ARE# W19-16	43-043-30204	1400 ¹⁰⁰⁰	0 ⁰	Shut In	2645	Perfs
11	ARE# W20-04	43-043-30238	0 ⁰	0 ⁰	Shut In	?	9600'
12	ARE# W31-12	43-043-30190	20 ¹⁰⁰	450 ¹⁰⁰	Shut In 1000' sup packer	3494	4500-6000'
13	ARE# W01-04	43-043-30270	1400	100	Shut In	4505	7500-9000'
14	ARE# W11-01	43-043-30277	1300 ¹⁵⁰⁰	50 ⁵⁰	Shut In	4575	6000-7500'
15	ARE# W20-03	43-043-30291	1800 ¹⁴⁰⁰	75 ⁷⁵	Shut In	3890	10500'
16	ARE# W16-14	43-043-30096	0 ¹⁵⁰⁰	800 ⁸⁵⁰	Shut In Perfs 12816'	4570	6000-7500'
17	ARE# 16-12 Champlin 387	43-043-30231	0 ⁵⁰	0 ⁰	Shut In	4781	1500-3000'
18	#B-1A	43-043-30168	0	0	Shut In	?	5200'
19	ARE# W17-16	43-043-30176	1100 ⁰	0 ⁰	Shut In Perfs 13806'	4734	3000-4500'
20	ARE# E21-14	43-043-30130	200	150	Producing	3926	Perfs

Champlin 372 → Pressure from 0 to 1250 psi (tubing) No FL Perfs @ 6648' ??? BHP

ARE# 36-14 → Casing pressure from 1500 to 0
Tubg press from 2200 to 400
FL @ 4066' Perfs @ 14066' BHP = 3420 psi (1472 psi surf)
Grid = 0.0867 psi/ft

ARE# W16-14 → Tubg from 0 to 1500 psi
Csg remained @ ± 850 psi
FL @ 4000' Perfs @ 12816' BHP = 4570 psi
Grid = 0.0867 psi/ft

ARE# W17-16 → Tubg from 1100 to 0
FL from 4000' to 8400'
FL @ 4000' Perfs @ 13806' BHP = 4734 psi
Grid = 0.315 psi/ft

RECEIVED
FEB 20 2004
DIV. OF OIL, GAS & MINING

Grid = 0.690 psi/ft

From: Mike Mercer <Mike.Mercer@meritenergy.com>
To: "Dustin Doucet" <dustindoucet@utah.gov>
Date: 4/7/2005 3:12:05 PM
Subject: Re: SI/TA integrity questions

On the W16-14, the production foreman did have to replace the gauge to get the new (correct) reading.

On the W17-16, the pressures and fluid levels were actually taken off of a swab report (they did not get "static" readings), which explains why the fluid level (and tubing pressure) was so much lower.

Hope this takes care of you, if not, please call.

Thanks

Michael L. Mercer
Engineering
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240
(972) 628-1550 Direct
(972) 960-1252 Fax

"Dustin Doucet"
<dustindoucet@utah.gov>
03/11/2005 04:14 PM
To
<Mike.Mercer@meritenergy.com>
cc
Subject
Re: SI/TA integrity questions

Mike,

Thanks for the info. A couple more questions. On the 16-14 and 17-16 do you figure the readings or gauges were incorrect last year or is there some other reason for the change in pressures?

Dustin

>>> Mike Mercer <Mike.Mercer@meritenergy.com> 03/11/05 1:48 PM >>>

Dustin,

Sorry it has taken me so long to get back with you...in response to your email, most are easily explained...(see below in red)

Regarding the W30-14, we are installing ESPs on either side of this well, we have a service company designing gas lift for this well and are evaluating a reactivation following the ESP installations. If we do not have the well reactivated in the next couple of months, I will provide you with the wellbore diagram, pressures, and fluid level.

Let me know if you need anything else. Thanks

Michael L. Mercer
Engineering
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240
(972) 628-1550 Direct
(972) 960-1252 Fax

"Dustin Doucet"

<dustindoucet@uta

h.gov>

To

<mike.mercer@meritenergy.com>

02/16/2005 04:04

cc

PM

Subject

SI/TA integrity questions

Mike,

I finally looked at the packet you provided us at our January 10th meeting and had questions that you may be able to answer on four wells.

My questions deal with pressure and fluid level changes that I didn't have enough info to explain why they changed. Also, I want to give you

a heads up that another well came on to the SI/TA list this year. It is

the ARE W 30-14 (API 43-043-30185). A similar plan/integrity scenario will have to be followed on this well as we've done with the current SI/TA wells. The four wells that I had questions on are as follows:

Champlin 372 - Tbg pressure went from 0 last year to 1250 psi this year ~~SWAB TESTED 2004~~

ARE W 36-14 - Tbg pressure went from 2200 to 400 psi, csg pressure went -

from 1500 to 0 WE PULLED THE OLD PKR, RAN A TEST PKR, ~~SWABBED TESTED,~~
~~AND~~

~~RAN THE ESP (WE HAVE HAD PROBLEMS, BUT WE HAVE ESTABLISHED COMMERCIAL PRODUCTION)~~

ARE W 16-14 - Tbg pressure went from 0 to 1500 psi, csg pressure did stay constant at ~ 850psi which is probably good, although pressure on the backside doesn't make me feel all warm and fuzzy WE HAVE NOT DONE ANYTHING

ARE W 17-16 - Tbg pressure went from 1100 to 0 psi, FL went from 4000' to 8400' opposite of what you would expect hydrostatically based off of the pressure change ~~SWAB TESTED 2004 (FUTURE ESP INSTALLATION)~~

All in all I don't have a lot of concern for lack of integrity, but if you could provide me with some explanations as to why some of these changes occurred on these 4 wells, I would appreciate it. The good news

is that you are reactivating two of the four wells this year.

Hopefully, this email makes some sense. Give me a call if you like and

we can discuss or respond via email. Thanks.

Dustin

Dustin Doucet
Petroleum Engineer



November 10, 2004

State of Utah – Department of Natural Resources
Division of Oil, Gas, & Mining
Attn: Mr. Dustin Doucet
PO Box 145801
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

In a letter dated February 13, 2004, Merit Energy Company informed the DOGM of plans to reactivate twenty-four (24) shut-in wells. Based on this information, on March 5, 2004, the DOGM granted Merit a shut-in extension until January 1, 2005. In April, the engineer working the Anschutz Ranch East (Anschutz) field left Merit. He was replaced by a second engineer that left Merit in August. As a result of this turnover, there has been no continuity at Anschutz. Regretfully, Merit will not have these wells reactivated by January 1, 2005.

I took over as the Operations Engineer at Anschutz in August. On October 6, 2004, I called to discuss this situation with you. You requested that Merit submit a letter stating what work has been completed as well as our future plans.

The largest problem at Anschutz is water. Several wells have loaded up and died as a result of water production. Merit has been investigating several methods to remove the water and reestablish commercial gas production.

“Co-production”

As outlined in the February letter, Merit had plans to attempt “co-production” at Anschutz. “Co-production” is simply utilizing an electric submersible pump (ESP) to remove the water. Our first test candidate was the ARE W36-10. On July 15, 2004, we started the ESP. To date, results have been exceptional. The maximum gas rate that we have seen is 355 mcf/d. This is more than enough to justify the cost of the installation. Average production has been 200 mcf/d and 1200 bwpd.

The only drawback to “co-production” is installing power to location. Without knowing how the well will perform, Merit is hesitant to invest the capital upfront for power installation. Additionally, it took the power company approximately six months to perform the installation.

Although Merit is pleased with the results of “co-production”, we have developed a new plan. We are currently preparing a generator to provide temporary power to location. Future installations will be performed on a temporary basis. If the well proves to be a success, an order for permanent power will be placed with the power company. This allows Merit the flexibility to test several shut-in wells without spending unnecessary capital.

We are currently in the process of preparing the ARE W16-06 for an ESP installation. Additional wells that are currently identified for potential ESP installations are the ARE W30-02, W30-06, W30-13, and W36-14. Merit anticipates having these wells tested during 2005. Further installations will be determined based on the success of the above mentioned wells.

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NOV 12 2004

DEPT. OF OIL, GAS & MINING

Capillary Strings

Merit has also begun utilizing capillary strings to inject soap downhole to assist the well in lifting the produced water. We currently have five (5) capillary strings in service at Anschutz and are planning on installing four (4) more before the end of the year.

Gas Lift

Although gas lift is not new to Anschutz, Merit has been trying to extend its capabilities. Our first hurdle regarding gas lift is obtaining additional lift gas capacity. We currently utilize sales gas for gas lift. Based on our current compression, we are limited to 4 mmcf of lift gas. In addition to increasing our gas lift capability, Merit is exploring the idea of utilizing nitrogen for gas lift.

With that being said, we currently have seventeen wells capable of being gas lifted. Due to our limited lift gas capacity, only six (6) wells are currently being gas lifted.

Additionally, Merit is working with several service companies to explore ways to gas lift from below the packer. There are several wells at Anschutz that have one to two thousand feet of pay. As a result, conventional gas lift may or may not be effective. We have tried one method of gas lifting from below the packer and the results are great. However, this method is not a "cure-all". It will only work on select wells. We will continue to look for wells capable of being lifted in this manner. We are in the process of identifying a candidate to test another method of gas lifting from below the packer. As soon as the well is identified, the installation will be performed.

While Merit is still in the early phase of developing completion techniques to adequately produce the wells at Anschutz, we are making great progress. We have had to think "out-of-the-box" to come up with creative ways to remove the water and increase the gas and are exhausting all resources to improve production and reduce idle wellbores.

I have attached the February 13 letter as well as our current plans for the 24 wells.

If you have any questions or require additional information, please contact me at (972) 628-1550 or electronically at mike.mercer@meritenergy.com.

Sincerely,



Michael L. Mercer
Operations Engineering



MERIT ENERGY COMPANY

13727 Noel Road, Suite 500
Dallas, TX 75240
Ph: 972-701-8377 Fx: 972-960-1252
www.meritenergy.com

Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at lance.taylor@meritenergy.com.

Regards,


Lance L. Taylor
Operations Engineer

Cc: Rusty Ginnetti
Arlene Valliquette
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics

	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months

UTAH DOGM – SI WELL LIST

- **ARE W20-06** – worked over in 2004, selectively swab tested individual zones. Installed gas lift (GL) equipment. Currently intermittently producing when lift gas is available.
- **ARE W31-04** – no immediate plans, will evaluate for reactivation.
- **ARE W36-10** – installed ESP. The well is producing.
- **ARE W36-08** – the well was reactivated in the fall of 2003. A capillary string was installed in September 2004. The well is producing.
- **ARE W21-04** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- ✓ **CHAMPLIN 372 C1** – swabbed in October 2004. Swab results were encouraging. There are no production facilities or flowlines in place. We are in the process of purchasing a gas testing unit. Once the unit is in our possession, we will flow test this well and evaluate the economics of installing surface facilities.
- ✓ **ARE W16-06** – swabbed in November 2004. Currently sizing ESP and reconditioning generator for test. Anticipate having ESP running by end of the year.
- **ARE W01-12** – no immediate plans, will evaluate for reactivation.
- **ARE W30-02** – plan to install ESP in 2005 for test.
- **ARE W36-14** – plan to install ESP in 2005 for test.
- **ARE W30-06** – plan to install ESP in 2005 for test.
- **ARE W20-02** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- **ARE W30-13** – plan to install ESP in 2005 for test.
- **ARE W19-16** – no immediate plans, will evaluate for reactivation.
- **ARE W20-04** – no immediate plans, will evaluate for reactivation.
- ✓ **ARE W31-12** – plan to test the Nugget, if unsuccessful, will attempt a Twin Creek completion.
- **ARE W01-04** – no immediate plans, will evaluate for reactivation.
- **ARE W11-01** – no immediate plans, will evaluate for reactivation.
- **ARE W20-03** – no immediate plans, will evaluate for reactivation.
- **ARE W16-14** – no immediate plans, will evaluate for reactivation.
- **ARE W16-12** – no immediate plans, will evaluate for reactivation.
- **CHAMPLIN 387 B1A** – no immediate plans, will evaluate for reactivation.
- **ARE W17-16** – no immediate plans, will evaluate for reactivation.
- **ARE E21-14** – the well was reactivated in December 2003. The well is producing.



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 8, 2005

Merit Energy Company
Attn: Michael L. Mercer
13727 Noel Road, Suite 500
Dallas, Texas 75240

Re: Approval for Extension of Shut-in or Temporarily Abandoned Status for Wells on Fee or State Leases

Dear Mr. Mercer:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letters dated November 10, 2004 (received by the Division on November 12, 2004) and January 7, 2005 (received by the Division on January 10, 2005) in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company ("Merit"). The Division understands that six of these wells were put back into production in 2004. Merit's original plan was to return all twenty-four wells to production in 2004. Because of power restrictions, etc., Merit was unable to achieve that target. It is now the Division's understanding that Merit plans to return seven more wells to production in 2005 by installing an ESP. The Division understands that Merit is also investigating other methods to assist in lifting the water (e.g. capillary strings). Depending on the success of the wells with ESP's installed, the wells currently on Gas Lift, and the success of the other methods, the remaining 11 wells will either be plugged or put into production.

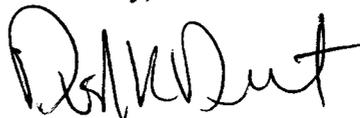
Based on the submitted information and plan of action, the Division approves your request for extended SI/TA for the eighteen (18) remaining SI/TA wells (see attachment A) until January 1, 2006. The operator should continue to monitor the wells by documenting pressures and fluid levels on a periodic basis. Any significant change in pressure or fluid level should be reported to the Division immediately. Remedial action may be necessary.

In addition to the twenty-four wells mentioned above, Merit also has one new well for 2005 that requires approval for extended SI/TA. The well is the ARE W30-14 (API # 43-043-30185). Our records indicate that this well has been SI/TA since February of 2003. Merit must submit their future plans for this well and information that demonstrates the well has integrity and is not a risk to public health and safety or the environment (R649-3-36-1.1 to 1.3).

Page 2
Merit Energy Company
April 8, 2005

The required information should be submitted to the Division within 30 days of the date of this letter or further actions may be initiated. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read "Dustin Doucet". The signature is stylized with a large initial "D" and a long horizontal stroke at the end.

Dustin Doucet
Petroleum Engineer

DKD:jc
Attachment
cc: Well File

ATTACHMENT A

3N 7E 11

	Well Name	API	Lease Type	Years Inactive
1	ARE W31-04E	43-043-30165	Fee	2 Year 3 Months
2	Champlin 372 Amoco C 1	43-043-30143	Fee	2 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	2 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	3 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	4 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	5Years 5 Months
7	ARE W30-06	43-043-30273	Fee	6 Years 4 Months
8	ARE W30-13	43-043-30279	Fee	6 Years 6 Months
9	ARE W19-16	43-043-30204	Fee	6 Years 8 Months
10	ARE W20-04	43-043-30238	Fee	7 Years 3 Months
11	ARE W31-12	43-043-30190	Fee	8 Years 3 Months
12	ARE W01-04	43-043-30270	Fee	8 Years 4 Months
13	ARE W11-01	43-043-30277	Fee	8 Years 4 Months
14	ARE W20-03	43-043-30291	Fee	9 Years 1 Month
15	ARE W16-14	43-043-30096	Fee	9 Years 1 Month
16	ARE W16-12	43-043-30231	Fee	9 Years 3 Months
17	Champlin 387 B1A	43-043-30168	Fee	9 Years 6 Months
18	ARE W17-16	43-043-30176	Fee	9 Years 7 Months

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY			8. WELL NAME and NUMBER: ARE W11-01
3. ADDRESS OF OPERATOR: 13727 NOEL ROAD, #500 CITY DALLAS STATE TX ZIP 75240		PHONE NUMBER: (972) 628-1435	9. API NUMBER: 4304330277
4. LOCATION OF WELL FOOTAGES AT SURFACE: 533 FNL X 1486 FEL			10. FIELD AND POOL, OR WILDCAT: ANSCHUTZ RANCH EAST
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 11 3N 7E			COUNTY: SUMMIT
			STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/20/2006	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: RE-ACTIVATION

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

11/02/06 - 11/20/06: MIRU. Sting out of PKR & TOOH w/production. TIH w/retrieving tool. TOOH w/PKR. TIH w/6-1/4" bit & 7" 32# scraper. TOOH w/scraper. TIH w/gas lift valves (GLV) on 2-7/8", 6.5#, N-80 EUE TBG. Landed TBG. Make gas lift & flowline tie-ins. Kick well off.

11/24/06: 255 MCF, 1000 GL, 0 BW, 282 BW in 24 hrs.

NAME (PLEASE PRINT) <u>Paula D. Clark</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE <u><i>Paula D. Clark</i></u>	DATE <u>2/12/2007</u>

(This space for State use only)

RECEIVED
FEB 16 2007

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: WYW109406X
2. NAME OF OPERATOR: Merit Energy Company		8. WELL NAME and NUMBER: ARE W 11 1
3. ADDRESS OF OPERATOR: 13727 Noel Road, Suite 500 CITY Dallas STATE TX ZIP 75240		9. API NUMBER: 4304330277
4. LOCATION OF WELL FOOTAGES AT SURFACE: 533' FNL & 1486' FEL 6th P.M. COUNTY: Summit QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 11 T3N R7E STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch East

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/20/2006	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Installed Gas Lift</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Company installed gas lift on the aforementioned well on 11/20/2006.

CC: BLM - Utah

NAME (PLEASE PRINT) <u>Michal Karam White</u>	TITLE <u>Regulatory Anlayst</u>
SIGNATURE	DATE <u>5/15/2009</u>

(This space for State use only)

RECEIVED
MAY 19 2009
DIV. OF OIL, GAS & MINING

BEST COPY
AVAILABLE

*

* SCHLUMBERGER *

DIRECTIONAL SURVEY

43-043-30277

COMPANY : CHAMPLIN PETROLEUM CO.
WELL : A.R.E. W11-01
FIELD : ANSCHUTZ RANCH EAST
COUNTRY : USA
RUN : 1
DATE LOGGED :
REFERENCE : DALLAS.3313

RUN NO. 1 105 - 7053 15-MAR-86

RUN NO. 2 7102 - 12968 13-MAY-86

RUN NO. 3 13100 - 15580 5-JUL-86

START OF SURVEY IS CASING AT 105

*

* SCHLUMBERGER *

DIRECTIONAL SURVEY

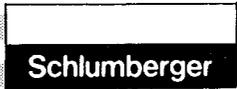
COMPANY : CHAMPLIN PETROLEUM CO.
WELL : A.R.E. W11-01
FIELD : ANSCHUTZ RANCH EAST
COUNTRY : USA
RUN : 1
DATE LOGGED :
REFERENCE : DALLAS.3313

RUN NO. 1 105 - 7053 15-MAR-86
RUN NO. 2 7102 - 12968 13-MAY-86
RUN NO. 3 13100 - 15580 5-JUL-86

START OF SURVEY IS CASING AT 105

MEAS. DEPTH		DEVIATION	AZIMUTH	TRUE VERTICAL	CO-ORDINATES		COURSE
FT	DEGREES	DEGREES	DEGREES	DEPTH	+ NORTH	+ EAST	LENGTH
				FT	- SOUTH	- WEST	FT
105.0	1.4		277	105.0	0.0	0.0	0.0
105.0	1.4		277	105.0	0.0	0.0	0.0
400.0	1.7		214	399.9	-3.2	-6.0	6.8
420.0	1.7		213	419.9	-3.6	-6.2	7.2
440.0	1.6		211	439.9	-4.0	-6.4	7.5
460.0	1.6		210	459.9	-4.4	-6.5	7.9
480.0	1.6		209	479.9	-4.8	-6.7	8.3
500.0	1.5		208	499.9	-5.2	-6.9	8.6
520.0	1.5		206	519.9	-5.6	-7.1	9.0
540.0	1.5		205	539.9	-6.0	-7.2	9.4
560.0	1.4		204	559.9	-6.4	-7.4	9.8
580.0	1.4		202	579.9	-6.8	-7.6	10.2
600.0	1.4		201	599.9	-7.2	-7.7	10.6
620.0	1.3		200	619.9	-7.6	-7.9	11.0
640.0	1.3		199	639.9	-8.0	-8.1	11.4
660.0	1.3		197	659.8	-8.4	-8.3	11.8
680.0	1.3		196	679.8	-8.8	-8.4	12.2
700.0	1.2		195	699.8	-9.2	-8.6	12.6
720.0	1.2		194	719.8	-9.6	-8.8	13.0
740.0	1.2		192	739.8	-10.0	-8.9	13.4
760.0	1.1		191	759.8	-10.4	-9.1	13.9
780.0	1.1		190	779.8	-10.8	-9.3	14.3
800.0	1.1		188	799.8	-11.2	-9.5	14.7
820.0	1.0		187	819.8	-11.7	-9.6	15.1
840.0	1.0		186	839.8	-12.1	-9.8	15.5
860.0	1.0		185	859.8	-12.5	-10.0	15.9
880.0	0.9		183	879.8	-12.9	-10.1	16.4
900.0	0.9		182	899.8	-13.3	-10.3	16.8
920.0	0.9		180	919.8	-13.7	-10.3	17.1
940.0	0.9		196	939.8	-13.4	-10.3	16.9
960.0	0.9		203	959.8	-13.5	-10.3	17.0
980.0	0.8		210	979.8	-13.5	-10.3	17.0
1000.0	0.8		218	999.8	-13.6	-10.3	17.1
1020.0	0.8		225	1019.8	-13.7	-10.3	17.1
1040.0	0.8		232	1039.8	-13.8	-10.3	17.2
1060.0	0.8		239	1059.8	-13.8	-10.4	17.3
1080.0	0.8		246	1079.8	-13.9	-10.4	17.3
1100.0	0.7		253	1099.8	-14.0	-10.4	17.4
1120.0	0.7		260	1119.8	-14.0	-10.4	17.4
1140.0	0.7		267	1139.8	-14.1	-10.4	17.5
1160.0	0.7		275	1159.8	-14.2	-10.4	17.6
1180.0	0.7		282	1179.8	-14.2	-10.4	17.6
1200.0	0.7		289	1199.8	-14.3	-10.4	17.7
1220.0	0.6		296	1219.8	-14.4	-10.4	17.7
1240.0	0.6		303	1239.8	-14.4	-10.4	17.8
1260.0	0.6		310	1259.8	-14.5	-10.4	17.9

MEAS. DEPTH	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CD-COORDINATES	COURSE LENGTH FT
FT				+ NORTH - SOUTH	+ EAST - WEST
1280.0	0.6	317	1279.8	-14.6	-10.4
1300.0	0.5	324	1299.8	-14.7	-10.4
1320.0	0.6	332	1319.8	-14.7	-10.4
1340.0	0.5	339	1339.8	-14.8	-10.4
1360.0	0.5	346	1359.8	-14.9	-10.4
1380.0	0.5	353	1379.8	-14.9	-10.4
1400.0	0.5	360	1399.8	-15.0	-10.4
1420.0	0.6	1	1419.8	-14.4	-10.2
1440.0	0.7	2	1439.7	-13.8	-9.7
1460.0	0.8	3	1459.7	-13.2	-9.7
1480.0	0.9	4	1479.7	-12.6	-9.5
1500.0	1.1	5	1499.7	-11.9	-9.3
1520.0	1.2	6	1519.7	-11.3	-9.0
1540.0	1.3	7	1539.7	-10.7	-8.8
1560.0	1.4	8	1559.7	-10.1	-8.6
1580.0	1.5	9	1579.7	-9.5	-8.3
1600.0	1.6	10	1599.6	-8.9	-8.1
1620.0	1.7	11	1619.6	-8.3	-7.9
1640.0	1.8	12	1639.6	-7.6	-7.6
1660.0	2.0	12	1659.6	-7.0	-7.4
1680.0	2.1	13	1679.6	-6.4	-7.2
1700.0	2.2	14	1699.6	-5.8	-6.9
1720.0	2.3	15	1719.6	-5.2	-6.7
1740.0	2.4	16	1739.6	-4.6	-6.5
1760.0	2.5	17	1759.5	-4.0	-6.2
1780.0	2.6	18	1779.5	-3.4	-6.0
1800.0	2.7	19	1799.5	-2.7	-5.8
1820.0	2.9	20	1819.5	-2.1	-5.5
1840.0	3.0	21	1839.5	-1.5	-5.3
1860.0	3.1	22	1859.5	-0.9	-5.1
1880.0	3.2	23	1879.5	-0.3	-4.8
1900.0	3.3	24	1899.4	0.3	-4.6
1920.0	3.3	24	1919.4	1.4	-3.9
1940.0	3.3	25	1939.4	2.4	-3.3
1960.0	3.3	25	1959.3	3.5	-2.6
1980.0	3.3	25	1979.3	4.5	-1.9
2000.0	3.4	26	1999.3	5.6	-1.3
2020.0	3.4	26	2019.2	6.7	-0.6
2040.0	3.4	26	2039.2	7.7	0.0
2060.0	3.4	26	2059.1	8.8	0.7
2080.0	3.4	27	2079.1	9.8	1.4
2100.0	3.4	27	2099.1	10.9	2.0
2120.0	3.4	27	2119.0	11.9	2.7
2140.0	3.4	28	2139.0	13.0	3.4
2160.0	3.5	28	2158.9	14.0	4.0
2180.0	3.5	28	2178.9	15.1	4.7
2200.0	3.5	29	2198.9	16.1	5.3



MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CURDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
2220.0	3.5	29	2218.8	17.2	6.0	18.2
2240.0	3.5	29	2238.8	18.3	6.7	19.4
2260.0	3.5	29	2258.7	19.3	7.3	20.7
2280.0	3.5	30	2278.7	20.4	8.0	21.9
2300.0	3.5	30	2298.7	21.4	8.7	23.1
2320.0	3.5	30	2318.6	22.5	9.3	24.3
2340.0	3.5	31	2338.6	23.5	10.0	25.6
2360.0	3.5	31	2358.5	24.6	10.6	26.8
2380.0	3.6	31	2378.5	25.6	11.3	28.0
2400.0	3.6	32	2398.5	26.7	12.0	29.2
2420.0	3.6	32	2418.4	27.7	12.6	30.5
2440.0	3.6	32	2438.4	28.8	13.3	31.7
2460.0	3.6	32	2458.4	29.9	14.0	33.0
2480.0	3.6	33	2478.3	30.9	14.6	34.2
2500.0	3.7	33	2498.3	32.0	15.3	35.4
2520.0	3.7	33	2518.2	33.0	15.9	36.7
2540.0	3.7	34	2538.2	34.1	16.6	37.9
2560.0	3.7	34	2558.2	35.1	17.3	39.1
2580.0	3.7	34	2578.1	36.2	17.9	40.4
2600.0	3.7	35	2598.1	37.2	18.6	41.6
2620.0	3.7	35	2618.0	38.3	19.2	42.9
2640.0	3.7	35	2638.0	39.3	19.9	44.1
2660.0	3.8	35	2658.0	40.4	20.6	45.3
2680.0	3.8	36	2677.9	41.5	21.2	46.6
2700.0	3.8	36	2697.9	42.5	21.9	47.8
2720.0	3.8	36	2717.8	43.6	22.6	49.1
2740.0	3.8	37	2737.8	44.6	23.2	50.3
2760.0	3.8	37	2757.8	45.7	23.9	51.5
2780.0	3.8	37	2777.7	46.7	24.5	52.8
2800.0	3.8	38	2797.7	47.8	25.2	54.0
2820.0	3.9	38	2817.6	48.8	25.9	55.3
2840.0	3.9	38	2837.6	49.9	26.5	56.5
2860.0	3.9	38	2857.6	50.9	27.2	57.7
2880.0	3.9	39	2877.5	52.0	27.9	59.0
2900.0	3.9	39	2897.5	53.1	28.5	60.2
2920.0	3.9	39	2917.4	54.1	29.4	61.6
2940.0	4.0	39	2937.4	55.2	30.3	63.0
2960.0	4.0	39	2957.3	56.3	31.2	64.3
2980.0	4.1	39	2977.3	57.4	32.0	65.7
3000.0	4.1	39	2997.2	58.5	32.9	67.1
3020.0	4.1	39	3017.2	59.4	33.8	68.4
3040.0	4.1	40	3037.2	60.4	34.8	69.7
3060.0	4.0	40	3057.1	61.3	35.7	71.0
3080.0	4.0	41	3077.1	62.3	36.7	72.3
3100.0	4.0	41	3097.0	63.2	37.6	73.6
3120.0	4.0	42	3117.0	64.2	38.5	74.9
3140.0	4.0	42	3136.9	65.1	39.5	76.2

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
3160.0	3.9	43	3156.9	66.1	40.4	77.5
3180.0	3.9	43	3176.8	67.0	41.3	78.8
3200.0	3.9	44	3196.8	68.0	42.3	80.1
3220.0	3.9	44	3216.8	68.9	43.2	81.4
3240.0	3.9	45	3236.7	69.9	44.2	82.7
3260.0	3.8	45	3256.7	70.8	45.1	84.0
3280.0	3.8	46	3276.6	71.8	46.0	85.3
3300.0	3.8	46	3296.6	72.7	47.0	86.6
3320.0	3.8	47	3316.5	73.7	47.9	87.9
3340.0	3.8	47	3336.5	74.6	48.9	89.2
3360.0	3.7	48	3356.4	75.6	49.8	90.5
3380.0	3.7	48	3376.4	76.5	50.7	91.8
3400.0	3.7	49	3396.4	77.5	51.7	93.1
3420.0	3.7	49	3416.3	78.4	52.6	94.4
3440.0	3.7	50	3436.3	79.4	53.5	95.8
3460.0	3.6	50	3456.2	80.3	54.5	97.1
3480.0	3.6	51	3476.2	81.3	55.4	98.4
3500.0	3.6	51	3496.1	82.2	56.4	99.7
3520.0	3.5	50	3516.1	83.0	57.0	100.6
3540.0	3.5	48	3536.1	83.7	57.5	101.5
3560.0	3.4	47	3556.1	84.4	58.1	102.5
3580.0	3.3	46	3576.0	85.1	58.7	103.4
3600.0	3.3	45	3596.0	85.8	59.3	104.3
3620.0	3.2	43	3616.0	86.5	59.9	105.2
3640.0	3.1	42	3636.0	87.2	60.5	106.2
3660.0	3.1	41	3655.9	87.9	61.1	107.1
3680.0	3.0	39	3675.9	88.6	61.7	108.0
3700.0	2.9	38	3695.9	89.3	62.3	108.9
3720.0	2.9	37	3715.9	90.0	62.9	109.8
3740.0	2.8	36	3735.9	90.7	63.5	110.8
3760.0	2.7	34	3755.8	91.5	64.1	111.7
3780.0	2.6	33	3775.8	92.2	64.7	112.6
3800.0	2.6	32	3795.8	92.9	65.3	113.5
3820.0	2.5	31	3815.8	93.6	65.9	114.5
3840.0	2.4	29	3835.7	94.3	66.5	115.4
3860.0	2.4	28	3855.7	95.0	67.1	116.3
3880.0	2.3	27	3875.7	95.7	67.7	117.2
3900.0	2.2	25	3895.7	96.4	68.3	118.1
3920.0	2.2	24	3915.6	97.1	68.9	119.1
3940.0	2.1	23	3935.6	97.8	69.5	120.0
3960.0	2.0	22	3955.6	98.5	70.1	120.9
3980.0	2.0	20	3975.6	99.3	70.7	121.8
4000.0	1.9	19	3995.6	100.0	71.3	122.8
4020.0	1.9	21	4015.5	100.4	71.7	123.4
4040.0	1.9	23	4035.5	100.8	72.2	124.0
4060.0	1.9	25	4055.5	101.3	72.7	124.7
4080.0	2.0	28	4075.5	101.7	73.2	125.3

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CD-ORDINATES	COURSE LENGTH FT
				+ NORTH - SOUTH	+ EAST - WEST
4100.0	2.0	30	4095.5	102.1	73.7
4120.0	2.0	32	4115.5	102.5	74.2
4140.0	2.0	34	4135.5	103.0	74.7
4160.0	2.0	36	4155.5	103.4	75.2
4180.0	2.0	38	4175.5	103.8	75.7
4200.0	2.1	41	4195.4	104.3	76.2
4220.0	2.1	43	4215.4	104.7	76.7
4240.0	2.1	45	4235.4	105.1	77.2
4260.0	2.1	47	4255.4	105.6	77.6
4280.0	2.1	49	4275.4	106.0	78.1
4300.0	2.1	51	4295.4	106.4	78.6
4320.0	2.2	54	4315.4	106.9	79.1
4340.0	2.2	56	4335.4	107.3	79.6
4360.0	2.2	58	4355.3	107.7	80.1
4380.0	2.2	60	4375.3	108.1	80.6
4400.0	2.2	62	4395.3	108.6	81.1
4420.0	2.2	64	4415.3	109.0	81.6
4440.0	2.3	67	4435.3	109.4	82.1
4460.0	2.3	69	4455.3	109.9	82.6
4480.0	2.3	71	4475.3	110.3	83.1
4500.0	2.3	73	4495.3	110.7	83.6
4520.0	2.3	72	4515.2	111.7	83.2
4540.0	2.4	71	4535.2	112.6	82.9
4560.0	2.4	70	4555.2	113.5	82.5
4580.0	2.4	69	4575.1	114.4	82.2
4600.0	2.5	68	4595.1	115.3	81.9
4620.0	2.5	66	4615.0	116.3	81.5
4640.0	2.6	65	4635.0	117.2	81.2
4660.0	2.6	64	4655.0	118.1	80.8
4680.0	2.6	63	4674.9	119.0	80.5
4700.0	2.7	62	4694.9	119.9	80.2
4720.0	2.7	61	4714.8	120.9	79.8
4740.0	2.7	60	4734.8	121.8	79.5
4760.0	2.8	59	4754.8	122.7	79.1
4780.0	2.8	58	4774.7	123.6	78.8
4800.0	2.9	57	4794.7	124.6	78.5
4820.0	2.9	55	4814.7	125.5	78.1
4840.0	2.9	54	4834.6	126.4	77.8
4860.0	3.0	53	4854.6	127.3	77.4
4880.0	3.0	52	4874.5	128.2	77.1
4900.0	3.0	51	4894.5	129.2	76.6
4920.0	3.1	50	4914.5	130.1	76.4
4940.0	3.1	49	4934.4	131.0	76.1
4960.0	3.2	48	4954.4	131.9	75.7
4980.0	3.2	47	4974.3	132.8	75.4
5000.0	3.2	46	4994.3	133.8	75.1
5020.0	3.3	45	5014.3	134.7	74.7

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
5040.0	3.3	43	5034.2	135.6	74.4	154.7
5060.0	3.3	42	5054.2	136.5	74.0	155.3
5080.0	3.4	41	5074.2	137.4	73.7	156.0
5100.0	3.4	40	5094.1	138.4	73.4	156.6
5120.0	3.5	39	5114.1	139.3	73.0	157.3
5140.0	3.5	38	5134.0	140.2	72.7	157.9
5160.0	3.5	37	5154.0	141.1	72.4	158.6
5180.0	3.6	36	5174.0	142.1	72.0	159.3
5200.0	3.6	35	5193.9	143.0	71.7	159.9
5220.0	3.6	34	5213.9	143.9	71.3	160.6
5240.0	3.7	32	5233.9	144.8	71.0	161.3
5260.0	3.7	31	5253.8	145.7	70.7	162.0
5280.0	3.7	30	5273.8	146.7	70.3	162.6
5300.0	3.8	29	5293.7	147.6	70.0	163.3
5320.0	3.8	28	5313.7	148.5	69.6	164.0
5340.0	3.9	27	5333.7	149.4	69.3	164.7
5360.0	3.9	26	5353.6	150.3	69.0	165.4
5380.0	3.9	25	5373.6	151.3	68.6	166.1
5400.0	4.0	24	5393.5	152.2	68.3	166.8
5420.0	4.0	23	5413.5	153.1	67.9	167.5
5440.0	4.0	22	5433.5	154.0	67.6	168.2
5460.0	4.1	20	5453.4	155.0	67.3	168.9
5480.0	4.1	19	5473.4	155.9	66.9	169.6
5500.0	4.2	18	5493.4	156.8	66.6	170.3
5520.0	4.2	17	5513.3	157.7	66.2	171.1
5540.0	4.2	16	5533.3	158.6	65.9	171.8
5560.0	4.3	15	5553.2	159.6	65.6	172.5
5580.0	4.3	14	5573.2	160.5	65.2	173.2
5600.0	4.3	13	5593.2	161.4	64.9	174.0
5620.0	4.4	12	5613.1	162.3	64.5	174.7
5640.0	4.4	11	5633.1	163.2	64.2	175.4
5660.0	4.5	9	5653.0	164.2	63.9	176.2
5680.0	4.5	8	5673.0	165.1	63.5	176.9
5700.0	4.5	7	5693.0	166.0	63.2	177.6
5720.0	4.6	6	5712.9	166.9	62.9	178.4
5740.0	4.6	5	5732.9	167.8	62.5	179.1
5760.0	4.6	4	5752.9	168.8	62.2	179.9
5780.0	4.7	3	5772.8	169.7	61.8	180.6
5800.0	4.7	2	5792.8	170.6	61.5	181.4
5820.0	4.8	1	5812.7	171.5	61.2	182.1
5840.0	4.8	360	5832.7	172.5	60.8	182.9
5860.0	4.8	359	5852.7	173.4	60.5	183.6
5880.0	4.9	357	5872.6	174.3	60.1	184.4
5900.0	4.9	356	5892.6	175.2	59.8	185.1
5920.0	4.9	355	5912.5	176.1	59.5	185.9
5940.0	5.0	354	5932.5	177.1	59.1	186.7
5960.0	5.0	353	5952.5	178.0	58.8	187.4

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES NORTH SOUTH	EAST WEST	COURSE LENGTH FT
5980.0	5.0	352	5972.4	178.9	58.4	188.2
6000.0	5.1	351	5992.4	179.8	58.1	189.0
6020.0	5.1	350	6012.4	180.7	57.8	189.8
6040.0	5.2	349	6032.3	181.7	57.4	190.5
6060.0	5.2	348	6052.3	182.6	57.1	191.3
6080.0	5.2	346	6072.2	183.5	56.7	192.1
6100.0	5.3	345	6092.2	184.4	56.4	192.9
6120.0	5.3	344	6112.2	185.4	56.1	193.6
6140.0	5.3	343	6132.1	186.3	55.7	194.4
6160.0	5.4	342	6152.1	187.2	55.4	195.2
6180.0	5.4	341	6172.1	188.1	55.0	196.0
6200.0	5.5	340	6192.0	189.0	54.7	196.8
6220.0	5.5	339	6212.0	190.0	54.4	197.6
6240.0	5.5	338	6231.9	190.9	54.0	198.4
6260.0	5.5	337	6251.9	191.8	53.7	199.2
6280.0	5.6	336	6271.9	192.7	53.3	200.0
6300.0	5.6	334	6291.8	193.6	53.0	200.8
6320.0	5.7	333	6311.8	194.6	52.7	201.6
6340.0	5.7	332	6331.7	195.5	52.3	202.4
6360.0	5.8	331	6351.7	196.4	52.0	203.2
6380.0	5.8	330	6371.7	197.3	51.7	204.0
6400.0	5.8	329	6391.6	198.2	51.3	204.8
6420.0	5.9	328	6411.6	199.2	51.0	205.6
6440.0	5.9	327	6431.6	200.1	50.6	206.4
6460.0	5.9	326	6451.5	201.0	50.3	207.2
6480.0	6.0	325	6471.5	201.9	50.0	208.0
6500.0	6.0	323	6491.4	202.9	49.6	208.8
6520.0	6.1	322	6511.4	203.8	49.3	209.6
6540.0	6.1	321	6531.4	204.7	48.9	210.5
6560.0	6.1	320	6551.3	205.6	48.6	211.3
6580.0	6.2	319	6571.3	206.5	48.3	212.1
6600.0	6.2	318	6591.2	207.5	47.9	212.9
6620.0	6.1	318	6611.2	208.8	46.7	213.9
6640.0	6.0	318	6631.1	210.1	45.6	215.0
6660.0	6.0	318	6651.0	211.4	44.4	216.0
6680.0	5.9	318	6670.9	212.7	43.2	217.1
6700.0	5.8	318	6690.9	214.0	42.1	218.1
6720.0	5.7	318	6710.8	215.4	40.9	219.2
6740.0	5.7	318	6730.7	216.7	39.7	220.3
6760.0	5.5	318	6750.6	218.0	38.6	221.4
6780.0	5.5	318	6770.5	219.3	37.4	222.5
6800.0	5.4	318	6790.5	220.6	36.2	223.6
6820.0	5.4	318	6810.4	221.9	35.1	224.7
6840.0	5.3	318	6830.3	223.3	33.9	225.8
6860.0	5.2	318	6850.2	224.6	32.7	226.9
6880.0	5.1	318	6870.1	225.9	31.6	228.1
6900.0	5.1	319	6890.1	227.2	30.4	229.2

MEAS. DEPTH	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES	COURSE LENGTH FT
FT				+ NORTH - SOUTH	+ EAST - WEST
6920.0	5.0	319	6910.0	228.5	29.2
6940.0	4.9	319	6929.9	229.8	28.0
6960.0	4.8	319	6949.8	231.2	26.9
6980.0	4.7	319	6969.7	232.5	25.7
7000.0	4.7	319	6989.7	233.8	24.5
7020.0	4.6	319	7009.6	235.1	23.4
7040.0	4.5	319	7029.5	236.4	22.2
7060.0	4.4	319	7049.4	237.7	21.0
7080.0	4.4	319	7069.4	239.0	19.9
7100.0	4.3	319	7089.3	240.4	18.7
7120.0	4.2	319	7109.2	241.7	17.5
7140.0	4.1	319	7129.1	243.0	16.4
7160.0	4.1	319	7149.0	244.3	15.2
7180.0	4.0	319	7169.0	245.6	14.0
7200.0	3.9	319	7188.9	246.9	12.8
7220.0	3.8	318	7208.8	247.9	12.0
7240.0	3.7	318	7228.8	248.8	11.2
7260.0	3.5	317	7248.8	249.7	10.3
7280.0	3.4	317	7268.7	250.7	9.5
7300.0	3.3	316	7288.7	251.6	8.6
7320.0	3.2	319	7308.7	252.4	8.0
7340.0	3.1	322	7328.6	253.3	7.3
7360.0	3.1	324	7348.6	254.2	6.7
7380.0	3.0	327	7368.6	255.0	6.0
7400.0	2.9	330	7388.5	255.9	5.4
7420.0	2.9	332	7408.5	256.8	4.9
7440.0	3.0	334	7428.5	257.8	4.5
7460.0	3.0	337	7448.5	258.7	4.1
7480.0	3.1	339	7468.4	259.7	3.6
7500.0	3.1	341	7488.4	260.6	3.2
7520.0	3.2	344	7508.4	261.8	3.0
7540.0	3.3	347	7528.3	262.9	2.7
7560.0	3.5	349	7548.3	264.1	2.5
7580.0	3.6	352	7568.3	265.2	2.3
7600.0	3.7	354	7588.2	266.4	2.0
7620.0	3.8	355	7608.2	267.8	1.9
7640.0	3.9	355	7628.1	269.2	1.8
7660.0	4.1	355	7648.1	270.5	1.7
7680.0	4.2	356	7668.0	271.9	1.6
7700.0	4.3	356	7688.0	273.3	1.5
7720.0	4.4	357	7707.9	274.9	1.4
7740.0	4.4	357	7727.9	276.4	1.3
7760.0	4.5	358	7747.8	278.0	1.3
7780.0	4.5	359	7767.7	279.5	1.2
7800.0	4.6	359	7787.7	281.1	1.2
7820.0	4.6	360	7807.6	282.7	1.2
7840.0	4.6	0	7827.5	284.3	1.2

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
7860.0	4.6	1	7867.5	285.9	1.2	285.9
7880.0	4.6	1	7867.4	287.5	1.2	287.5
7900.0	4.5	2	7887.4	289.1	1.2	289.1
7920.0	4.5	2	7907.3	290.6	1.3	290.6
7940.0	4.4	3	7927.2	292.1	1.4	292.1
7960.0	4.3	3	7947.2	293.6	1.5	293.6
7980.0	4.2	4	7967.1	295.2	1.5	295.2
8000.0	4.1	4	7987.1	296.7	1.6	296.7
8020.0	4.0	4	8007.0	298.0	1.7	298.0
8040.0	3.9	5	8027.0	299.3	1.8	299.4
8060.0	3.8	5	8046.9	300.7	2.0	300.7
8080.0	3.7	6	8066.9	302.0	2.1	302.0
8100.0	3.6	6	8086.8	303.4	2.2	303.4
8120.0	3.6	6	8106.8	304.6	2.3	304.6
8140.0	3.6	7	8126.8	305.8	2.5	305.8
8160.0	3.5	7	8146.7	307.0	2.6	307.1
8180.0	3.5	7	8166.7	308.3	2.8	308.3
8200.0	3.5	7	8186.7	309.5	2.9	309.5
8220.0	3.4	6	8206.6	310.7	3.0	310.7
8240.0	3.3	5	8226.6	311.8	3.1	311.8
8260.0	3.3	4	8246.6	312.9	3.2	313.0
8280.0	3.2	3	8266.5	314.1	3.3	314.1
8300.0	3.1	2	8286.5	315.2	3.4	315.3
8320.0	3.0	2	8306.5	316.3	3.4	316.3
8340.0	3.0	1	8326.4	317.3	3.4	317.3
8360.0	2.9	1	8346.4	318.3	3.4	318.3
8380.0	2.9	0	8366.4	319.4	3.5	319.4
8400.0	2.8	360	8386.4	320.4	3.5	320.4
8420.0	2.8	359	8406.3	321.3	3.4	321.4
8440.0	2.8	358	8426.3	322.3	3.4	322.3
8460.0	2.7	358	8446.3	323.3	3.4	323.3
8480.0	2.7	357	8466.3	324.2	3.3	324.2
8500.0	2.7	356	8486.2	325.2	3.3	325.2
8520.0	2.6	357	8506.2	326.1	3.3	326.1
8540.0	2.6	358	8526.2	327.0	3.3	327.0
8560.0	2.5	359	8546.2	327.8	3.2	327.9
8580.0	2.5	0	8566.2	328.7	3.2	328.7
8600.0	2.4	1	8586.1	329.5	3.2	329.6
8620.0	2.4	3	8606.1	330.4	3.3	330.4
8640.0	2.4	5	8626.1	331.2	3.4	331.3
8660.0	2.3	7	8646.1	332.1	3.5	332.1
8680.0	2.3	9	8666.1	332.9	3.5	332.9
8700.0	2.3	11	8686.1	333.7	3.6	333.7
8720.0	2.4	12	8706.0	334.5	3.8	334.5
8740.0	2.4	12	8726.0	335.3	4.0	335.4
8760.0	2.5	13	8746.0	336.2	4.2	336.2
8780.0	2.5	13	8766.0	337.0	4.4	337.0

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CU-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
8800.0	2.6	13	8786.0	337.9	4.6	337.9
8820.0	2.6	12	8805.9	338.7	4.7	338.8
8840.0	2.6	11	8825.9	339.6	4.9	339.7
8860.0	2.5	10	8845.9	340.5	5.1	340.6
8880.0	2.5	9	8865.9	341.4	5.2	341.5
8900.0	2.6	8	8885.9	342.3	5.4	342.3
8920.0	2.6	7	8905.8	343.2	5.5	343.3
8940.0	2.6	7	8925.8	344.1	5.6	344.2
8960.0	2.6	6	8945.8	345.0	5.7	345.1
8980.0	2.6	5	8965.8	345.9	5.8	346.0
9000.0	2.6	5	8985.8	346.8	5.9	346.9
9020.0	2.5	4	9005.7	347.7	5.9	347.7
9040.0	2.5	3	9025.7	348.6	5.9	348.6
9060.0	2.5	1	9045.7	349.4	6.0	349.5
9080.0	2.4	0	9065.7	350.3	6.0	350.3
9100.0	2.4	359	9085.7	351.2	6.0	351.2
9120.0	2.4	360	9105.6	352.0	6.1	352.1
9140.0	2.4	1	9125.6	352.9	6.1	352.9
9160.0	2.5	1	9145.6	353.7	6.1	353.8
9180.0	2.5	2	9165.6	354.6	6.1	354.6
9200.0	2.5	3	9185.6	355.4	6.1	355.5
9220.0	2.4	3	9205.6	356.2	6.2	356.2
9240.0	2.4	4	9225.5	356.9	6.2	357.0
9260.0	2.3	4	9245.5	357.7	6.3	357.7
9280.0	2.2	5	9265.5	358.4	6.4	358.5
9300.0	2.2	5	9285.5	359.2	6.4	359.2
9320.0	2.1	5	9305.5	359.9	6.5	360.0
9340.0	2.0	6	9325.5	360.7	6.5	360.7
9360.0	1.9	6	9345.5	361.4	6.6	361.5
9380.0	1.9	7	9365.4	362.2	6.7	362.2
9400.0	1.8	7	9385.4	362.9	6.7	363.0
9420.0	1.8	7	9405.4	363.5	6.8	363.6
9440.0	1.8	7	9425.4	364.2	6.9	364.2
9460.0	1.8	7	9445.4	364.8	7.0	364.8
9480.0	1.8	7	9465.4	365.4	7.0	365.5
9500.0	1.8	7	9485.4	366.0	7.1	366.1
9520.0	1.8	7	9505.4	366.6	7.2	366.7
9540.0	1.7	8	9525.4	367.2	7.3	367.3
9560.0	1.7	8	9545.4	367.8	7.3	367.9
9580.0	1.6	9	9565.3	368.4	7.4	368.5
9600.0	1.6	9	9585.3	369.0	7.5	369.0
9620.0	1.6	10	9605.3	369.5	7.6	369.6
9640.0	1.6	11	9625.3	370.1	7.7	370.2
9660.0	1.7	13	9645.3	370.7	7.9	370.7
9680.0	1.7	14	9665.3	371.2	8.0	371.3
9700.0	1.7	15	9685.3	371.8	8.1	371.9
9720.0	1.7	15	9705.3	372.3	8.2	372.4

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES NORTH SOUTH	EAST WEST	COURSE LENGTH FT
9740.0	1.5	15	9725.3	372.9	8.4	373.0
9760.0	1.6	15	9745.3	373.4	8.5	373.5
9780.0	1.5	15	9765.3	373.9	8.7	374.0
9800.0	1.5	15	9785.3	374.5	8.8	374.6
9820.0	1.5	16	9805.2	375.0	9.0	375.1
9840.0	1.6	16	9825.2	375.5	9.1	375.7
9860.0	1.6	17	9845.2	376.1	9.3	376.2
9880.0	1.7	18	9865.2	376.6	9.5	376.7
9900.0	1.7	19	9885.2	377.1	9.6	377.3
9920.0	1.7	18	9905.2	377.7	9.8	377.8
9940.0	1.7	18	9925.2	378.2	10.0	378.4
9960.0	1.6	17	9945.2	378.8	10.2	378.9
9980.0	1.6	16	9965.2	379.3	10.3	379.5
10000.0	1.6	16	9985.2	379.9	10.5	380.0
10020.0	1.6	16	10005.2	380.4	10.6	380.5
10040.0	1.5	15	10025.2	380.9	10.8	381.1
10060.0	1.5	15	10045.2	381.4	10.9	381.6
10080.0	1.4	15	10065.1	381.9	11.1	382.1
10100.0	1.4	15	10085.1	382.4	11.2	382.6
10120.0	1.4	14	10105.1	382.9	11.3	383.1
10140.0	1.4	13	10125.1	383.4	11.4	383.6
10160.0	1.5	12	10145.1	383.9	11.5	384.1
10180.0	1.5	11	10165.1	384.4	11.6	384.6
10200.0	1.5	10	10185.1	384.9	11.7	385.1
10220.0	1.4	8	10205.1	385.4	11.8	385.5
10240.0	1.4	6	10225.1	385.8	11.8	386.0
10260.0	1.3	4	10245.1	386.3	11.9	386.5
10280.0	1.3	3	10265.1	386.8	11.9	386.9
10300.0	1.2	1	10285.1	387.2	12.0	387.4
10320.0	1.3	2	10305.1	387.7	12.0	387.9
10340.0	1.3	3	10325.1	388.2	12.0	388.4
10360.0	1.4	4	10345.1	388.6	12.1	388.8
10380.0	1.4	5	10365.1	389.1	12.1	389.3
10400.0	1.5	7	10385.1	389.6	12.1	389.8
10420.0	1.5	5	10405.0	390.1	12.1	390.3
10440.0	1.6	4	10425.0	390.7	12.2	390.9
10460.0	1.6	2	10445.0	391.2	12.2	391.4
10480.0	1.7	0	10465.0	391.8	12.2	392.0
10500.0	1.7	359	10485.0	392.4	12.2	392.6
10520.0	1.7	358	10505.0	392.9	12.2	393.1
10540.0	1.7	356	10525.0	393.5	12.2	393.7
10560.0	1.6	355	10545.0	394.1	12.1	394.3
10580.0	1.6	353	10565.0	394.7	12.1	394.8
10600.0	1.6	352	10585.0	395.2	12.0	395.4
10620.0	1.5	347	10605.0	395.7	11.9	395.9
10640.0	1.4	342	10625.0	396.1	11.7	396.3
10660.0	1.4	337	10645.0	396.6	11.6	396.8

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
10680.0	1.3	332	10665.0	397.0	11.4	397.2
10700.0	1.2	327	10684.9	397.5	11.3	397.6
10720.0	1.1	330	10704.9	397.6	11.1	398.0
10740.0	1.1	332	10724.9	398.1	10.9	398.3
10750.0	1.0	334	10744.9	398.5	10.8	398.6
10780.0	1.0	337	10764.9	398.8	10.6	398.9
10800.0	0.9	339	10784.9	399.1	10.4	399.2
10820.0	0.9	340	10804.9	399.4	10.3	399.6
10840.0	1.0	341	10824.9	399.8	10.2	399.9
10860.0	1.0	343	10844.9	400.1	10.1	400.2
10880.0	1.1	344	10864.9	400.4	10.0	400.6
10900.0	1.1	345	10884.9	400.8	9.9	400.9
10920.0	1.1	348	10904.9	401.1	9.8	401.2
10940.0	1.0	352	10924.9	401.4	9.8	401.6
10960.0	1.0	355	10944.9	401.8	9.8	401.9
10980.0	0.9	359	10964.9	402.1	9.7	402.2
11000.0	0.9	3	10984.9	402.5	9.7	402.6
11020.0	0.9	5	11004.9	402.8	9.7	402.9
11040.0	1.0	7	11024.9	403.2	9.8	403.3
11060.0	1.0	9	11044.9	403.5	9.8	403.6
11080.0	1.1	11	11064.9	403.8	9.8	404.0
11100.0	1.1	13	11084.9	404.2	9.9	404.3
11120.0	1.1	14	11104.9	404.6	10.0	404.7
11140.0	1.2	15	11124.9	405.0	10.1	405.1
11160.0	1.2	15	11144.9	405.4	10.3	405.5
11180.0	1.3	16	11164.9	405.8	10.4	405.9
11200.0	1.3	17	11184.9	406.2	10.5	406.3
11220.0	1.4	16	11204.9	406.7	10.6	406.9
11240.0	1.5	15	11224.8	407.3	10.7	407.4
11260.0	1.6	15	11244.8	407.8	10.9	407.9
11280.0	1.7	14	11264.8	408.3	11.0	408.5
11300.0	1.8	13	11284.8	408.8	11.2	409.0
11320.0	2.0	13	11304.8	409.6	11.3	409.7
11340.0	2.1	12	11324.8	410.3	11.5	410.5
11360.0	2.3	11	11344.8	411.1	11.6	411.3
11380.0	2.4	11	11364.8	411.8	11.8	412.0
11400.0	2.6	10	11384.8	412.6	11.9	412.8
11420.0	2.7	9	11404.7	413.5	12.0	413.7
11440.0	2.7	8	11424.7	414.5	12.2	414.7
11460.0	2.8	7	11444.7	415.4	12.3	415.6
11480.0	2.8	7	11464.7	416.4	12.4	416.6
11500.0	2.9	6	11484.6	417.3	12.6	417.5
11520.0	2.9	4	11504.6	418.3	12.6	418.5
11540.0	2.9	3	11524.6	419.3	12.7	419.5
11560.0	2.8	2	11544.6	420.3	12.7	420.5
11580.0	2.8	1	11564.5	421.3	12.7	421.5
11600.0	2.8	360	11584.5	422.3	12.8	422.5

MEAS. DEPTH	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES	COURSE LENGTH FT
FI				+ NORTH - SOUTH	+ EAST - WEST
11620.0	2.8	359	11604.5	423.3	12.8
11640.0	2.8	358	11624.5	424.2	12.7
11660.0	2.7	356	11644.4	425.2	12.7
11680.0	2.7	357	11664.4	426.1	12.7
11700.0	2.7	357	11684.4	427.1	12.6
11720.0	2.9	1	11704.4	428.2	12.8
11740.0	3.2	5	11724.3	429.3	13.0
11760.0	3.4	8	11744.3	430.5	13.1
11780.0	3.7	12	11764.3	431.6	13.3
11800.0	3.9	16	11784.2	432.7	13.4
11820.0	4.1	21	11804.2	434.0	14.2
11840.0	4.3	27	11824.1	435.3	15.0
11860.0	4.5	32	11844.1	436.6	15.7
11880.0	4.7	37	11864.0	437.8	16.5
11900.0	4.9	43	11883.9	439.1	17.3
11920.0	5.0	47	11903.9	440.2	18.7
11940.0	5.1	51	11923.8	441.3	20.1
11960.0	5.3	54	11943.7	442.3	21.6
11980.0	5.4	58	11963.6	443.4	23.0
12000.0	5.5	62	11983.5	444.5	24.4
12020.0	5.5	64	12003.4	445.3	26.3
12040.0	5.7	67	12023.3	446.0	28.1
12060.0	5.8	69	12043.2	446.8	30.0
12080.0	5.9	71	12063.1	447.5	31.8
12100.0	6.0	73	12083.0	448.3	33.7
12120.0	6.3	73	12102.9	448.9	35.9
12140.0	6.6	74	12122.8	449.5	38.1
12160.0	6.8	74	12142.6	450.2	40.4
12180.0	7.1	75	12162.5	450.8	42.6
12200.0	7.4	75	12182.4	451.4	44.9
12220.0	7.5	76	12202.2	452.0	47.6
12240.0	7.8	77	12222.0	452.6	50.3
12260.0	8.0	79	12241.8	453.1	52.9
12280.0	8.2	80	12261.6	453.7	55.6
12300.0	8.4	81	12281.4	454.3	58.3
12320.0	8.5	80	12301.2	454.8	61.3
12340.0	8.6	79	12321.0	455.4	64.2
12360.0	8.7	79	12340.7	456.0	67.2
12380.0	8.8	78	12360.5	456.6	70.1
12400.0	8.9	77	12380.3	457.1	73.1
12420.0	8.8	77	12400.0	457.8	76.0
12440.0	8.8	77	12419.8	458.5	79.0
12460.0	8.7	77	12439.6	459.2	82.0
12480.0	8.7	76	12459.3	459.9	84.9
12500.0	8.6	76	12479.1	460.6	87.9
12520.0	8.5	74	12498.9	461.6	90.6
12540.0	8.3	72	12518.7	462.5	93.3

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
12560.0	8.2	69	12538.5	463.5	96.0	473.3
12580.0	8.0	67	12558.3	464.4	98.7	474.8
12600.0	7.9	65	12578.1	465.4	101.4	476.3
12620.0	7.6	63	12597.9	466.6	103.5	477.9
12640.0	7.3	61	12617.8	467.8	105.7	479.6
12660.0	7.1	59	12637.6	469.0	107.9	481.3
12680.0	6.8	57	12657.4	470.2	110.1	483.0
12700.0	6.5	56	12677.3	471.5	112.3	484.6
12720.0	6.4	53	12697.2	472.9	113.9	486.4
12740.0	6.3	50	12717.0	474.3	115.6	488.2
12760.0	6.3	48	12736.9	475.7	117.2	490.0
12780.0	6.2	45	12756.8	477.2	118.9	491.7
12800.0	6.1	42	12776.7	478.6	120.5	493.5
12820.0	5.9	42	12796.6	480.1	121.8	495.3
12840.0	5.7	41	12816.5	481.6	123.1	497.1
12860.0	5.6	40	12836.4	483.1	124.3	498.8
12880.0	5.4	39	12856.3	484.6	125.6	500.6
12900.0	5.2	38	12876.2	486.1	126.9	502.4
12920.0	5.0	37	12896.1	487.4	127.8	503.9
12940.0	4.8	36	12916.1	488.8	128.8	505.5
12960.0	4.7	35	12936.0	490.1	129.8	507.0
12980.0	4.5	34	12955.9	491.5	130.7	508.6
13000.0	4.3	32	12975.9	492.8	131.7	510.1
13020.0	4.1	31	12995.8	494.0	132.3	511.4
13040.0	3.9	29	13015.8	495.1	132.9	512.7
13060.0	3.6	27	13035.7	496.3	133.6	513.9
13080.0	3.4	25	13055.7	497.4	134.2	515.2
13100.0	3.2	23	13075.6	498.6	134.8	516.5
13120.0	3.5	28	13095.6	499.7	135.6	517.7
13140.0	3.8	32	13115.5	500.7	136.4	519.0
13160.0	4.1	37	13135.5	501.8	137.2	520.3
13180.0	4.4	41	13155.5	502.9	138.0	521.5
13200.0	4.7	46	13175.4	504.0	138.8	522.8
13220.0	4.8	51	13195.3	504.9	140.3	524.0
13240.0	4.9	55	13215.3	505.8	141.7	525.3
13260.0	5.1	60	13235.2	506.7	143.2	526.5
13280.0	5.2	64	13255.1	507.6	144.7	527.8
13300.0	5.3	69	13275.0	508.5	146.1	529.1
13320.0	5.5	74	13294.9	508.7	148.1	529.8
13340.0	5.8	79	13314.8	509.0	150.1	530.6
13360.0	6.0	85	13334.7	509.2	152.1	531.4
13380.0	6.3	90	13354.6	509.4	154.1	532.2
13400.0	6.5	95	13374.5	509.7	156.1	533.0
13420.0	6.4	98	13394.4	509.2	158.2	533.2
13440.0	6.3	100	13414.3	508.8	160.3	533.5
13460.0	6.3	103	13434.2	508.4	162.5	533.7
13480.0	6.2	105	13454.0	507.9	164.6	534.0

MEAS. * DEPTH * FT *	DEVIATION * DEGREES *	AZIMUTH * DEGREES *	TRUE * VERTICAL * DEPTH * FT *	CO-ORDINATES * + NORTH * - SOUTH *	+ EAST * - WEST *	COURSE * LENGTH * FT *
13500.0	6.1	108	13473.9	507.5	166.7	534.2
13520.0	5.9	110	13493.8	506.8	168.5	534.1
13540.0	5.7	112	13513.7	506.0	170.3	533.9
13560.0	5.4	115	13533.6	505.3	172.1	533.8
13580.0	5.2	117	13553.6	504.5	173.8	533.6
13600.0	5.0	119	13573.5	503.8	175.6	533.5
13620.0	5.2	120	13593.4	502.8	177.2	533.1
13640.0	5.4	121	13613.3	501.8	178.9	532.7
13660.0	5.6	122	13633.2	500.7	180.5	532.3
13680.0	5.8	123	13653.1	499.7	182.1	531.9
13700.0	6.0	124	13673.0	498.7	183.8	531.5
13720.0	6.3	124	13692.9	497.4	185.7	530.9
13740.0	6.7	124	13712.7	496.0	187.7	530.3
13760.0	7.0	125	13732.6	494.7	189.7	529.8
13780.0	7.4	125	13752.4	493.3	191.6	529.2
13800.0	7.7	125	13772.3	492.0	193.6	528.7
13820.0	8.1	126	13792.0	490.1	196.0	527.9
13840.0	8.5	126	13811.8	488.3	198.5	527.1
13860.0	9.0	127	13831.6	486.5	200.9	526.4
13880.0	9.4	127	13851.3	484.7	203.3	525.6
13900.0	9.8	128	13871.1	482.9	205.8	524.9
13920.0	10.3	129	13890.7	480.4	208.6	523.7
13940.0	10.8	130	13910.4	477.8	211.5	522.6
13960.0	11.3	132	13930.0	475.3	214.4	521.4
13980.0	11.8	133	13949.6	472.8	217.3	520.3
14000.0	12.3	134	13969.3	470.2	220.1	519.2
14020.0	12.9	135	13988.7	466.8	223.5	517.5
14040.0	13.5	136	14008.1	463.3	226.8	515.8
14060.0	14.2	136	14027.5	459.9	230.1	514.2
14080.0	14.8	137	14046.9	456.4	233.4	512.6
14100.0	15.4	138	14066.3	453.0	236.7	511.1
14120.0	15.9	138	14085.5	448.8	240.6	509.2
14140.0	16.5	137	14104.6	444.6	244.6	507.4
14160.0	17.0	137	14123.8	440.3	248.5	505.6
14180.0	17.6	136	14142.9	436.1	252.4	503.9
14200.0	18.1	136	14162.1	431.9	256.4	502.3
14220.0	18.1	136	14181.1	427.5	260.8	500.7
14240.0	18.2	136	14200.1	423.0	265.1	499.2
14260.0	18.2	136	14219.1	418.6	269.5	497.8
14280.0	18.3	135	14238.1	414.1	273.9	496.5
14300.0	18.3	135	14257.1	409.6	278.3	495.2
14320.0	18.5	134	14276.0	405.3	283.1	494.4
14340.0	18.7	133	14294.9	401.0	287.8	493.7
14360.0	18.9	131	14313.9	396.7	292.6	493.0
14380.0	19.1	130	14332.8	392.4	297.4	492.4
14400.0	19.3	129	14351.8	388.1	302.2	491.9
14420.0	19.3	128	14370.6	384.3	307.6	492.3

MEAS. DEPTH	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES NORTH SOUTH	EAST WEST	COURSE LENGTH FT
14440.0	19.4	126	14389.5	380.4	313.0	492.7
14460.0	19.4	125	14408.4	376.6	318.4	493.2
14480.0	19.5	123	14427.2	372.7	323.8	493.8
14500.0	19.5	122	14446.1	368.9	329.2	494.4
14520.0	19.4	121	14465.0	365.6	334.9	495.8
14540.0	19.2	120	14483.9	362.3	340.6	497.3
14560.0	19.1	120	14502.8	359.1	346.2	498.8
14580.0	18.9	119	14521.7	355.8	351.9	500.4
14600.0	18.8	118	14540.6	352.5	357.6	502.1
14620.0	18.8	118	14559.5	349.5	363.3	504.2
14640.0	18.9	118	14578.4	346.5	369.1	506.3
14660.0	18.9	117	14597.3	343.5	374.8	508.4
14680.0	19.0	117	14616.2	340.5	380.6	510.7
14700.0	19.0	117	14635.2	337.5	386.3	513.0
14720.0	19.2	117	14654.0	334.5	392.2	515.5
14740.0	19.3	117	14672.9	331.4	398.1	518.0
14760.0	19.5	118	14691.8	328.3	404.0	520.6
14780.0	19.6	118	14710.6	325.3	409.9	523.3
14800.0	19.8	118	14729.5	322.2	415.8	526.0
14820.0	20.7	119	14748.0	318.3	422.1	528.7
14840.0	21.5	121	14766.6	314.3	428.5	531.4
14860.0	22.4	122	14785.1	310.4	434.8	534.2
14880.0	23.2	124	14803.7	306.5	441.1	537.1
14900.0	24.1	125	14822.2	302.5	447.5	540.2
14920.0	24.6	126	14840.3	297.3	454.2	542.9
14940.0	25.0	127	14858.4	292.1	461.0	545.8
14960.0	25.5	128	14876.5	286.9	467.7	548.7
14980.0	25.9	129	14894.6	281.7	474.5	551.8
15000.0	26.4	130	14912.7	276.5	481.3	555.0
15020.0	26.9	130	14930.4	270.5	488.3	558.2
15040.0	27.4	130	14948.1	264.4	495.4	561.5
15060.0	27.9	131	14965.8	258.4	502.4	565.0
15080.0	28.4	131	14983.5	252.4	509.5	568.6
15100.0	28.9	131	15001.3	246.4	516.5	572.3
15120.0	29.3	131	15018.6	239.8	524.0	576.2
15140.0	29.7	131	15035.9	233.2	531.4	580.3
15160.0	30.0	132	15053.3	226.6	538.9	584.6
15180.0	30.4	132	15070.6	220.0	546.3	589.0
15200.0	30.8	132	15088.0	213.4	553.8	593.5
15220.0	31.0	132	15105.1	206.3	561.4	598.1
15240.0	31.2	133	15122.1	199.2	569.0	602.9
15260.0	31.5	133	15139.2	192.1	576.6	607.8
15280.0	31.7	134	15156.3	185.0	584.2	612.8
15300.0	31.9	134	15173.4	177.9	591.8	618.0
15320.0	31.5	134	15190.6	170.6	599.1	622.9
15340.0	31.1	135	15207.7	163.4	606.3	628.0
15360.0	30.6	135	15224.9	156.1	613.6	633.1

* MEAS. *		* TRUE *		* CO-ORDINATES *		* COURSE *	
* DEPTH *	* DEVIATION *	* AZIMUTH *	* VERTICAL *	* + NORTH *	* + EAST *	* LENGTH *	
* FT *	* DEGREES *	* DEGREES *	* DEPTH *	* - SOUTH *	* - WEST *	* FT *	
* 15380.0 *	* 30.2 *	* 136 *	* 15242.1 *	* 148.9 *	* 620.8 *	* 638.5 *	
* 15400.0 *	* 29.8 *	* 136 *	* 15259.2 *	* 141.7 *	* 628.1 *	* 643.9 *	
* 15420.0 *	* 29.8 *	* 136 *	* 15276.6 *	* 134.5 *	* 635.0 *	* 649.1 *	
* 15440.0 *	* 29.7 *	* 136 *	* 15294.0 *	* 127.4 *	* 641.9 *	* 654.4 *	
* 15460.0 *	* 29.7 *	* 136 *	* 15311.4 *	* 120.3 *	* 648.7 *	* 659.8 *	
* 15480.0 *	* 29.6 *	* 136 *	* 15328.7 *	* 113.1 *	* 655.6 *	* 665.3 *	
* 15500.0 *	* 29.6 *	* 136 *	* 15346.1 *	* 106.0 *	* 662.5 *	* 670.9 *	
* 15520.0 *	* 29.7 *	* 136 *	* 15363.5 *	* 98.9 *	* 669.4 *	* 676.7 *	
* 15540.0 *	* 29.8 *	* 136 *	* 15380.8 *	* 91.7 *	* 676.3 *	* 682.5 *	
* 15560.0 *	* 29.9 *	* 136 *	* 15398.2 *	* 84.6 *	* 683.2 *	* 688.4 *	
* 15580.0 *	* 30.0 *	* 136 *	* 15415.5 *	* 77.4 *	* 690.1 *	* 694.5 *	

REF

DALLAS.3313

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*****
BOTTOM HOLE LOCATION
*****
COURSE LENGTH:          694.5  FT
*****
COURSE AZIMUTH:         83.6  DEGREES
*****
MEASURED DEPTH:         15580.0 FT
*****
TRUE VERTICAL DEPTH:    15415.5 FT
*****
DISTANCE NORTH:         77.4  FT
*****
DISTANCE EAST:          690.1  FT
*****
EXACT RADIUS OF CURVATURE METHOD
*****
*****

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RECEIVED
AUG 20 1986

**DIVISION OF
OIL, GAS & MINING**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well	7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	8. WELL NAME and NUMBER: ARE W11-1
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	9. API NUMBER: 43043302770000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0533 FNL 1486 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 11 Township: 03.0N Range: 07.0E Meridian: S	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
	COUNTY: SUMMIT
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Merit Energy Company plans to Plug and Abandon the ARE 11-1 in the coming months, please find the Procedure and WBD attached.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: September 17, 2014

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Ross King	PHONE NUMBER 972 628-1041	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/8/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43043302770000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Amend Plug #1: Move downhole $\pm 64'$ and set CIBP @ 14730' and spot 100' (18 sx minimum) on top of CIBP to adequately isolate open perms as required by R649-3-24-3.3.2.**
- 3. Add Plug #1A: A 200' plug should be balanced from 13200' to 13000'. This will isolate the Twin Creek formation.**
- 4. Amend Plug #3: This plug shall be moved uphole approximately 270' and balanced from 9160' to 8970'. This will isolate the Gannett formation and mud injection zones.**
- 5. Note Plug #4: Bullhead of cement reported down 13 3/8" casing displaced to 6818' to 7318'. Injection into 9 5/8" perms may not be possible. 89 sx required for plug with all annuli. 53 sx required without injection into 9 5/8" perms, 40 sx without injection into 7" perms.**
- 6. Add Plug #4A: This plug shall be an inside/outside plug. RIH and perforate 7" and 9 5/8" @ 3550'. RIH with CICR and set at 3500'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perms. If injection into the 9 5/8" perms cannot be established: M&P 31 sx cement, sting into CICR pump 22sx, sting out and dump 9 sx on top of CICR. If injection is established: M&P 60 sx cement, sting into CICR, open 13 3/8" casing valve, pump 47 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 13 sx into perms, sting out and dump 9 sx on top of CICR. This will isolate the Frontier formation and DVT.**
- 7. Note Plug #5: All annuli shall be cemented from a minimum depth of 100' to the surface. Perf. 7" & 9 5/8" @ 100' and circulate cement to surface (± 60 sx) if 1" not feasible .**
- 8. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 9. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 10. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 11. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 12. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.**

7/29/2014

Wellbore Diagram

r263

API Well No: 43-043-30277-00-00 Permit No:
 Company Name: MERIT ENERGY COMPANY

Well Name/No: ARE W11-1

Location: Sec: 11 T: 3N R: 7E Spot: NENE

Coordinates: X: 490072 Y: 4540453

Field Name: ANSCHUTZ RANCH EAST

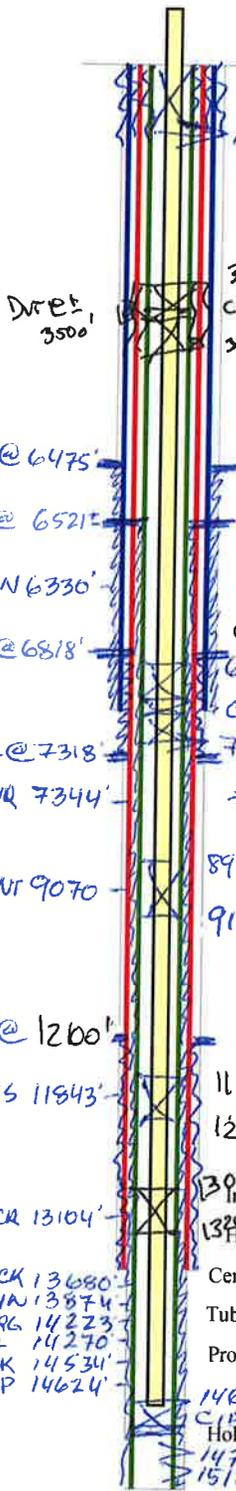
County Name: SUMMIT

String Information

Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	CF
7068	17.5 x 13 3/8" w/10%		(1.0454) → 0.9566	
7068	13.375	72	7068	
13187	12.25 x 9 5/8" w/10%		(0.4827) → 2.0461	
13187	9.625 x 13 3/8" 47		(0.3262) → 3.066	
15593	8.5 x 7" w/10%		(0.2121) → 4.7144	
15593	7 x 9 5/8" 28		15593 (0.1438) → 6.956	
14673	2.375	4.7		
	7" (0.2106) #.748			

Amend Plug # 5
 Set all strings @ 100'
 INSIDE: 100' / (1.15) (0.2106) = 185X
 OUTSIDE
 7" x 9 5/8" 100' / (1.15) (0.1438) = 135X II
 9 5/8" x 13 3/8" 100' / (1.15) (0.3262) = 285X HOL3
 13 3/8" x 17 1/2" 100' / (1.15) (1.0454) = 915X PROD

150 SX Reg
 TOC @ SFC



* Add Plug # 44
 Across DVT ± Frontier perf @ 3500'
 Set circle 3500'
 Above 50' / (1.15) (0.2085) = 95X
 Below set = 95X
 Surface: 13.375 in. @ 7068 ft. 7" x 9 5/8" 100' / (1.15) (0.1438) = 135X
 Hole: 17.5 in. @ 7068 ft. 9 5/8" x 13 3/8" 100' / (1.15) (0.3262) = 285X
 Cement from 7068 ft. to 6818 ft. 100' / (1.15) (0.3324) = 290X
 60 SX Reg internal - 7080' - 13,200' behind 9 5/8" 7130' to 7610' ; 7800' to 8000'

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
II	13187	12100'	H	860
II	9/30/86 7318	6818	G	150
PROD	15593	EST 6521'	H	1385
SURF	7068	EST 6475'	A	525

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
14780	14982			
14766	14774			
15014	15054			
15082	15126			

* Amend Plug # 3
 * move to isolate GANNT @ 9070'
 190' / (1.15) (0.2106) = 35 SX Reg
 TOC @ 8970'

40 SX / 88 SX if SFE
 TOC INSIDE @ 6818'
 OUT @ 7018'

Formation Information

Formation	Depth
ASPEN	6630
BRRVR	7344
GANNT	9070
PREUS	11843
TWNCR	13104
LEDCK	13680
WTCYN	13874
BNDRG	14223
RICH	14270
SLDRK	14534
GYPSP	14624

Plug # 2

200' / (1.15) (0.2106) = 37 SX Reg
 TOC @ 11931'

* Add Plug # 1A

200' from 13,200 to 13,000'
 200' / (1.15) (0.2106) = 37 SX Reg
 Page 1

TD: 15593 TVD: PBD: 15468

* Amend Plug # 1
 * set CIR @ 14730' (50' above Perfs)
 Spot 100' on top of CIR
 100' / (1.15) (0.2106) = 185X Reg
 TOC @ SFC

ARE W 11-01

API #: 43-043-30277

Current Status: Shut-in

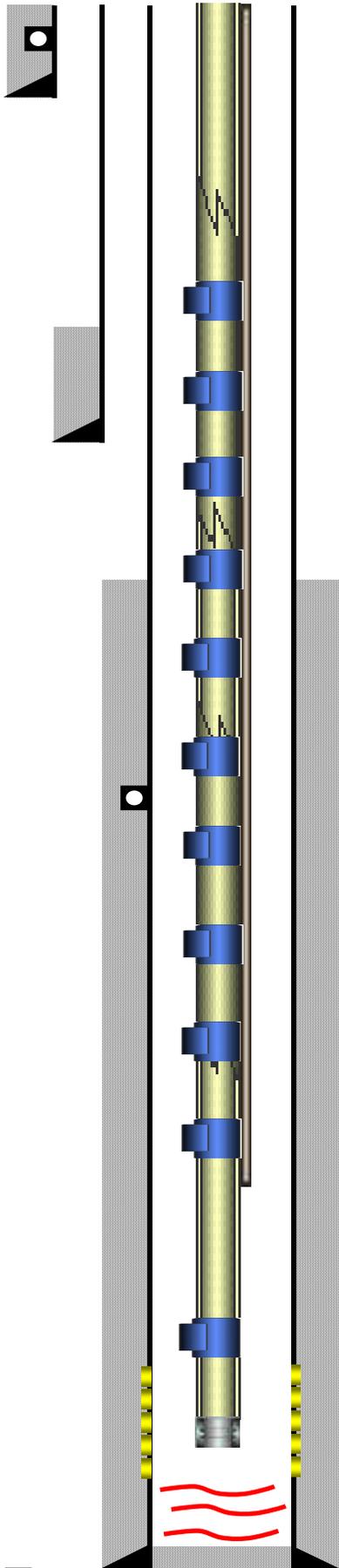
Future Plan: Plug and Abandon (PA) – Procedure Attached

Reason: One of the southernmost wells in the field and far down dip. This well has operational troubles on surface due to its location behind the mountain and trouble unloading water. There are several wells up dip that will capture this area of the reservoir.

OPERATIONAL PROCEDURE 11-01

1. Test anchors. MIRUSU.
2. ND WH and NU BOP.
3. TOO H with 2 7/8" tbg & stainless injection line.
4. MIRU E-line and run GR/ JB to 15,230'. POOH and PU 7" CIBP, RIH and set CIBP @ 14,666'.
5. Dump bail 35' of cement on top of CIBP.
6. PU work string, TIH to CIBP. Circulate gas/oil out of hole. SI backside and pressure test casing to 500 psi. If casing does not test P/U packer & locate casing leaks.
7. If casing tests, spot 9 ppg gel to 12,131' (WBD indicates good cement between 7" & 9 5/8")
8. Pull tubing to 12,131' spot 200' balanced cement plug.
9. POOC pump 9 ppg gel to 9,431'
10. Pull tubing to 9,431' spot 190' balanced cement plug.
11. POOC pump 9 ppg gel to 7,118' TOO H.
12. RU wireline and shoot 4 holes in the prod casing 50' below the surface shoe at 7,118'.
13. PU CICR, RIH and set 50' above perms @ 7,068'.
14. Dig out and expose 13, 3/8" surface valve and open.
15. Establish circulation up annulus through retainer.
16. After gaining circulation, pump cement sufficient for 100' annular volume (50' in and out plug) plus casing volume from retainer to perms.
17. Sting out of retainer and spot 170' cement on top of CICR.
18. POOC pump 9 ppg gel to 100'
19. TOO H, ND BOP and RDSU.
20. Dig out and cut wellhead 3' below ground level.
21. Run in with 1" poly pipe to 100' and circulate cement to surface in production casing.
22. Fill 13 3/8" w/100' cement using poly pipe.
23. Weld on dry hole plate w/ legal ID. Backfill cellar.

MERIT ENERGY COMPANY



WELL NAME:	ARE W11-01	FIELD:	ANSCHUTZ RANCH EAST
QTR QTR:	SEC: 11	TWN:	3N RNG: 7E
COUNTY:	SUMMIT	ST:	UT
KB: 8705	GL: 15593'	PBTD: 15436'	SPUD DATE: 12/23/85
API: 43-043-30277	TD: 15593'	BY: Max Berglund	
LAST UPDATED:	06/04/14		

CASING DETAILS

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13 3/8" & 13 5/8"	68# - 88.2#		7068'
INTERMEDIATE	9 5/8" & 9 15/16"	47# - 67#		13187'
PRODUCTION	7"	32#	P-110	3224'
PRODUCTION	7"	29#	CS-95	4550
PRODUCTION	7"	32#	P-110	12437
PRODUCTION	7"	38#	P-110	13632
PRODUCTION	7"	32#	P-110	15593

Has an additional 20" surface casing string set @ 100', not shown on WBS

TUBING DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				0.00
HANGER	2 7/8" EUE			0.00
1 JT	2 7/8"	6.5#	N-80 EUE	0.00
158 jts	2 7/8"	6.5#	N-80 EUE	
GLV 13	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
37 jts	2 7/8"	6.5#	N-80 EUE	
GLV 12	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
31 jts	2 7/8"	6.5#	N-80 EUE	
GLV 11	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
25 jts	2 7/8"	6.5#	N-80 EUE	
GLV 10	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 9	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 8	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
22 jts	2 7/8"	6.5#	N-80 EUE	
GLV 7	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 6	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 5	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 4	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
22 jts	2 7/8"	6.5#	N-80 EUE	
GLV 3	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 2	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
21 jts	2 7/8"	6.5#	N-80 EUE	
GLV 1	ID = 2.347" OD = 4.5" FB 3.5" OD & 0.9" long			
18 jts	2 7/8"	6.5#	N-80 EUE	
X-NIPPLE	2.313" w/ plug & prong in place			
4 JT	2 7/8"	6.5#	N-80 EUE	
RE-ENTRY	2 7/8" EUE			15,099.60

Tubing as of August 2007

NOTE: 1/4" SS Dyna Coil tbg banded to 2 7/8" tbg w/ 3 - 1" wide steel bands per joint

NUGGET PERFS

- 14766-774', 14780-788'
- 14796-860', 14878-912'
- 14918-930', 14940-982'
- 15014-054', 15082-126'
- 15132-160', 15188-230'

- FISH 1** - OWP GAUGE RING JUNK BASKET & TOOL STRING 15.9' LONG
- FISH 2** - BAKER MODEL SC-2P WITH TAIL PIPE RUN 8-30-92 38.68' LONG
- FISH 3** - 5 3/8" BIT & BIT SUB 4 1/2" OD BY 2' LONG

DV TOOL. 7" @

MERIT ENERGY COMPANY

11-01 Well Hisotry	
Dec-85	Drill well and perf 14,780'-14,982'
Sep-86	Cement 13-3/8" x 9-5/8" casing annullus with 150sx
Dec-86	Reperforate 14,780'-14,982' and add 14,766'-14,774' and 15,014'-15,126'
Apr-88	Perf 15,132'-15,230'
Sep-95	Down size tubing from 3.5" to 2.375"
Nov-06	Pull tubing, run scraper and ru gas lift on 2-7/8" tubing
Aug-07	Pull tubing and GL. RIH with scraper to 15,334' RIH with gas lift.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		8. WELL NAME and NUMBER: ARE W11-1
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240		9. API NUMBER: 43043302770000
PHONE NUMBER: 972 628-1540 Ext		9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0533 FNL 1486 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 11 Township: 03.0N Range: 07.0E Meridian: S		COUNTY: SUMMIT
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/19/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Plugged and Abandon the aforementioned well on 11/19/2014 witnessed by Lisha Cordova field Inspector with Utah Division of Oil, Gas, and Mining. Please see the attached Daily Summary for details of work done.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 21, 2014**

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/21/2014	



Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:
Report #
Well Name: ARE W 11 1

Accounting ID 7604-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330277	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0152700000	SAP Longitude -111.1173300000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

Job Category Plug & Abandon	Primary Job Type Permanently Abandon Well	Job Start Date 7/16/2014	Job End Date
Daily Operations			
Report Start Date 10/30/2014	Primary Activity MIRU		
Operations Summary Spot Equipment R/U N/D well head N/U well head, secure well SDON.			
Report Start Date 10/31/2014	Primary Activity TOH 2 7/8" tbg / spooling cap string		
Operations Summary SIP Opsi, P/U release hanger, TOH tally out stand back 113 stands 2 7/8" EUE tbg spooling cap string, L/D #1 GLV, #2 GLV, #3 GLV, stand back EOT @ 6900', secure well SDON.			
Report Start Date 11/1/2014	Primary Activity Continue TOH		
Operations Summary SIP Opsi. Open well, continue to TOH tallying w/ remaining tbg laying down GLV's & spooling cap string. Secure well & SDON.			
Report Start Date 11/2/2014	Primary Activity Try running cmt retainer		
Operations Summary SIP=0#, open well & RU Magna EWL. RIH w/ 5.71" GR, stacked out @ 35'(paraffin)POH. Pumped 100 gals diesel, RIH & stacked out @ 2,400'. Pumped another 100 gals diesel, worked GR down to 4,300' & POH. RU HO, pumped 80 bbls FW @ 200 degs & RIH w/ EWL. Stacked out @ 2,300' w/ the GR, worked it down to 2,435' before POH & losing their tools. RD EWL, secured the well & SDON.			
Report Start Date 11/3/2014	Primary Activity Fishing EWL tools		
Operations Summary SIP=0#. Opened well, made up 5.750" overshot w/ 3 1/8" grapple & TIH w/ tbg from the derrick. PU 11-jts off the rack, tagged @ 15,320' & set down 10k. L/D 19 -jts, POH w/ 80-stds & secured well. SDON.			
Report Start Date 11/4/2014	Primary Activity Run CIBP		
Operations Summary SIP=0#. TOH w/ remaining tbg standing back, L/D overshot & EWL tools. Made up 10k Baker CIBP, TIH w/ tbg & started seeing tight spots w/ 157-jts in @ 5,125'. Worked it down to 15' out on jt-160 @ 5,215' MD before becoming stuck & setting the CIBP to get off it. TOH w/ tbg, secure well & SDON.			
Report Start Date 11/5/2014	Primary Activity TIH w/ bit		
Operations Summary SIP=0#. Make up 5.750" bit, open well & TIH w/ tbg. Tag CIBP, L/D 1-jt & secure well. Crew out on days off.			
Report Start Date 11/10/2014	Primary Activity Drill out CIBP & push to bottom		
Operations Summary SIP=0#, open well & RU power swivel on tag jt. Load hole w/ 140 bbls, drill out CIBP & RD PS. TIH w/ tbg & push remaining CIBP to bottom @ 15,100' MD. POH w/ 50-stds, secure well & SDON.			
Report Start Date 11/11/2014	Primary Activity TOH BIT / Hot oil csg / RIH E line		
Operations Summary SIP Opsi, TOH stand back 2 7/8" tbg L/D 5.750 rock bit, R/U Hot oiler add 125 gal paraffin chemical, pump 360bbls produced water 3.0bpm 200 deg, down csg clean up paraffin (Note: catch pressure half way into job 1400psi 3.0 bpm), ISIP vacuum, R/U E line, RIH 5.71OD GR depth 14780' POH, RIH 5.61 OD CIBP set @ 14730' between collars retag, POH R/D E line, secure well SDON.			
Report Start Date 11/12/2014	Primary Activity TIH / roll hole / pressure test		
Operations Summary SIP Opsi, TIH perf sub, 453jts 2 7/8" tbg tag CIBP @ 14740'(8" in on jt 453) load hole fresh water, roll 200bbls fresh water to flat tank pressure test csg 500psi 15 min, secure well SDON.			
Report Start Date 11/13/2014	Primary Activity Rolling hole / pump cmt plug		
Operations Summary SIP vacuum, reload hole 120bbls fresh water, Rolling 100bbls to flat tank see clean returns, try to get pressure test failed, pump rate 1bpm @ 500psi, Pump 1bbl fresh water, Mix and pump 20 sxs class G cmt, 1.15 yield, slurry 4.1bbls on top CIBP, displace 83bbls fresh water, L/D 46 jts 2 7/8" tbg secure well, drain equipment, SDON.			
Report Start Date 11/14/2014	Primary Activity Pump cmt plug #1 / 1A		
Operations Summary SIP Opsi, pump 1bbl fresh water catch pressure test 500psi 2hrs test good Lihsa Cordova State Utah witnessed, (Note: all fresh water in hole and tank mixed W/ gel Inhibitor 5gal per 100bbls per recommendations for spacer), Pump balance plug 13210'-12987', pump 3bbl FW, Mix and pump 40sxs 15.8# class G cmt, 1.15 yield, slurry 8.2 bbls, 1 bbl FW, displace 73bbls fresh water, L/D 6 jts 2 7/8" tbg, stand back 20 stands, tag cmt plug in morning, secure well, drain equipment, SDON.			



Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:
Report #
Well Name: ARE W 11 1

Accounting ID 7604-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330277	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0152700000	SAP Longitude -111.1173300000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

Daily Operations

Report Start Date 11/15/2014	Primary Activity Tag cmt plug / pump #2 plug
Operations Summary TIH 20 stands 2 7/8" tbg tag plug @ 12990' Lisha Cordova witnessed, TOH L/D 27 jts 2 7/8" tbg EOT 12136', Pump 200' balance plug 11931'- 12131' 3bbl FW, Mix and pump 40sxs 15.8# class G cmt, 1.15 yield, slurry 8.2 bbls, 1bbl FW, displace 68bbls fresh water, L/D 6 jts 2 7/8" tbg, stand back 20 stands, tag cmt plug in morning, secure well, drain equipment, SDON.	
Report Start Date 11/16/2014	Primary Activity Tag cmt plug / pump #3 plug
Operations Summary TIH 20 stands 2 7/8" tbg tag plug @ 11890' Lisha Cordova witnessed, TOH L/D 83 jts 2 7/8" tbg EOT 9170', Pump 190' balance plug 8970'- 9160' 3bbl FW, Mix and pump 40sxs 15.8# class G cmt, 1.15 yield, slurry 8.2 bbls, 1bbl FW, displace 53bbls fresh water, L/D 68 jts 2 7/8" tbg, stand back 108 stands, tag cmt plug in morning W/ E line, secure well, drain equipment, SDON.	
Report Start Date 11/17/2014	Primary Activity RIH E line / perf / set CICR / TIH
Operations Summary R/U E line RIH 3 1/8" 4spf perf gun, CCL tag up 880' work through paraffin plug, tag cmt plug @ 8890', P/U run collar strip perforate 7118' ELM 4 holes, between collars POH State Utah witnessed, establish CICR, 2 bpm @ 200 psi, circ up 9 5/8" intermediate, nothing up 13 3/8" surface casing, RIH 5.781 OD GR W/ (1) wt bar, ccl, stack out @ 880' POH add wt bar, see residual paraffin on tools, pump 50gal diesel stack out 910' work tools broke through paraffin run to depth 7075' ELM no problems, run collar strip POH, RIH 5.69 OD CICR, run collar strip set @ 7060' ELM retag POH R/D E line, P/U stinger TIH 10 stands 2 7/8" tbg secure well SDON.	
Report Start Date 11/18/2014	Primary Activity TIH / pump cmt plug #4
Operations Summary TIH 68 stands 2 7/8" tbg, P/U 1 jt 2 7/8" tbg sting into CICR tag @ 7070'MD get injection rate 2bpm 400psi, Mix and pump total 85 sxs 15.8# class G cmt, 1.15 yield, slurry 15.1bbls, Pump 3bbls FW, 53 sxs 15.8# class G cmt, 1.15 yield, slurry 9.4 bbls, below CICR see good returns up 9 5/8" intermediate, displace 32bbls, sting out & pump 32 sxs 15.8# class G cmt, 1.15 yield, slurry 5.7 bbls, top CICR displace 4bbls TOC 6900', TOH L/D 111 jts 2 7/8" tbg stand back 53 stands 2 7/8" tbg secure well SDON. (Note: State Utah witnessed Lisha Cordova)	
Report Start Date 11/19/2014	Primary Activity Pump plug #4A
Operations Summary Rig broke down, L/D 4 jts 2 7/8" tbg, Rig still not running correct, secure well SDON.	
Report Start Date 11/19/2014	Primary Activity Pump plug #4A
Operations Summary TOH L/D 71 jts 2 7/8" tbg rig problems S/D for repairs secure well make repairs.	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST	
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: ARE W11-1	
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		9. API NUMBER: 43043302770000	
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	PHONE NUMBER: 972 628-1540 Ext	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0533 FNL 1486 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 11 Township: 03.0N Range: 07.0E Meridian: S		COUNTY: SUMMIT	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/26/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>Merit Energy Plugged and Abandon the aforementioned well on 11/26/2014 witnessed by Lisha Cordova Field Inspector with Utah Division of Oil, Gas, and Mining. Please see the attached Daily Summary for details of work done.</p>			
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 18, 2014</p>			
NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst	
SIGNATURE N/A	DATE 12/16/2014		



Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:
Report #
Well Name: ARE W 11 1

Accounting ID 7604-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330277	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0152700000	SAP Longitude -111.1173300000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

Job Category Plug & Abandon	Primary Job Type Permanently Abandon Well	Job Start Date 7/16/2014	Job End Date
Daily Operations			
Report Start Date 10/30/2014	Primary Activity MIRU		
Operations Summary Spot Equipment R/U N/D well head N/U well head, secure well SDON.			
Report Start Date 10/31/2014	Primary Activity TOH 2 7/8" tbg / spooling cap string		
Operations Summary SIP Opsi, P/U release hanger, TOH tally out stand back 113 stands 2 7/8" EUE tbg spooling cap string, L/D #1 GLV, #2 GLV, #3 GLV, stand back EOT @ 6900', secure well SDON.			
Report Start Date 11/1/2014	Primary Activity Continue TOH		
Operations Summary SIP Opsi. Open well, continue to TOH tallying w/ remaining tbg laying down GLV's & spooling cap string. Secure well & SDON.			
Report Start Date 11/2/2014	Primary Activity Try running cmt retainer		
Operations Summary SIP=0#, open well & RU Magna EWL. RIH w/ 5.71" GR, stacked out @ 35'(paraffin)POH. Pumped 100 gals diesel, RIH & stacked out @ 2,400'. Pumped another 100 gals diesel, worked GR down to 4,300' & POH. RU HO, pumped 80 bbls FW @ 200 degs & RIH w/ EWL. Stacked out @ 2,300' w/ the GR, worked it down to 2,435' before POH & loosing their tools. RD EWL, secured the well & SDON.			
Report Start Date 11/3/2014	Primary Activity Fishing EWL tools		
Operations Summary SIP=0#. Opened well, made up 5.750" overshot w/ 3 1/8" grapple & TIH w/ tbg from the derrick. PU 11-jts off the rack, tagged @ 15,320' & set down 10k. L/D 19 -jts, POH w/ 80-stds & secured well. SDON.			
Report Start Date 11/4/2014	Primary Activity Run CIBP		
Operations Summary SIP=0#. TOH w/ remaining tbg standing back, L/D overshot & EWL tools. Made up 10k Baker CIBP, TIH w/ tbg & started seeing tight spots w/ 157-jts in @ 5,125'. Worked it down to 15' out on jt-160 @ 5,215' MD before becoming stuck & setting the CIBP to get off it. TOH w/ tbg, secure well & SDON.			
Report Start Date 11/5/2014	Primary Activity TIH w/ bit		
Operations Summary SIP=0#. Make up 5.750" bit, open well & TIH w/ tbg. Tag CIBP, L/D 1-jt & secure well. Crew out on days off.			
Report Start Date 11/10/2014	Primary Activity Drill out CIBP & push to bottom		
Operations Summary SIP=0#, open well & RU power swivel on tag jt. Load hole w/ 140 bbls, drill out CIBP & RD PS. TIH w/ tbg & push remaining CIBP to bottom @ 15,100' MD. POH w/ 50-stds, secure well & SDON.			
Report Start Date 11/11/2014	Primary Activity TOH BIT / Hot oil csg / RIH E line		
Operations Summary SIP Opsi, TOH stand back 2 7/8" tbg L/D 5.750 rock bit, R/U Hot oiler add 125 gal paraffin chemical, pump 360bbls produced water 3.0bpm 200 deg, down csg clean up paraffin (Note: catch pressure half way into job 1400psi 3.0 bpm), ISIP vacuum, R/U E line, RIH 5.71OD GR depth 14780' POH, RIH 5.61 OD CIBP set @ 14730' between collars retag, POH R/D E line, secure well SDON.			
Report Start Date 11/12/2014	Primary Activity TIH / roll hole / pressure test		
Operations Summary SIP Opsi, TIH perf sub, 453jts 2 7/8" tbg tag CIBP @ 14740'(8" in on jt 453) load hole fresh water, roll 200bbls fresh water to flat tank pressure test csg 500psi 15 min, secure well SDON.			
Report Start Date 11/13/2014	Primary Activity Rolling hole / pump cmt plug		
Operations Summary SIP vacuum, reload hole 120bbls fresh water, Rolling 100bbls to flat tank see clean returns, try to get pressure test failed, pump rate 1bpm @ 500psi, Pump 1bbl fresh water, Mix and pump 20 sxs class G cmt, 1.15 yield, slurry 4.1bbls on top CIBP, displace 83bbls fresh water, L/D 46 jts 2 7/8" tbg secure well, drain equipment, SDON.			
Report Start Date 11/14/2014	Primary Activity Pump cmt plug #1 / 1A		
Operations Summary SIP Opsi, pump 1bbl fresh water catch pressure test 500psi 2hrs test good Lihsa Cordova State Utah witnessed, (Note: all fresh water in hole and tank mixed W/ gel Inhibitor 5gal per 100bbls per recommendations for spacer), Pump balance plug 13210'-12987', pump 3bbl FW, Mix and pump 40sxs 15.8# class G cmt, 1.15 yield, slurry 8.2 bbls, 1 bbl FW, displace 73bbls fresh water, L/D 6 jts 2 7/8" tbg, stand back 20 stands, tag cmt plug in morning, secure well, drain equipment, SDON.			



Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:
Report #
Well Name: ARE W 11 1

Accounting ID 7604-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330277	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0152700000	SAP Longitude -111.1173300000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

Daily Operations

Report Start Date 11/15/2014	Primary Activity Tag cmt plug / pump #2 plug
Operations Summary TIH 20 stands 2 7/8" tbg tag plug @ 12990' Lisha Cordova witnessed, TOH L/D 27 jts 2 7/8" tbg EOT 12136', Pump 200' balance plug 11931'- 12131' 3bbl FW, Mix and pump 40sxs 15.8# class G cmt, 1.15 yield, slurry 8.2 bbls, 1bbl FW, displace 68bbls fresh water, L/D 6 jts 2 7/8" tbg, stand back 20 stands, tag cmt plug in morning, secure well, drain equipment, SDON.	
Report Start Date 11/16/2014	Primary Activity Tag cmt plug / pump #3 plug
Operations Summary TIH 20 stands 2 7/8" tbg tag plug @ 11890' Lisha Cordova witnessed, TOH L/D 83 jts 2 7/8" tbg EOT 9170', Pump 190' balance plug 8970'- 9160' 3bbl FW, Mix and pump 40sxs 15.8# class G cmt, 1.15 yield, slurry 8.2 bbls, 1bbl FW, displace 53bbls fresh water, L/D 68 jts 2 7/8" tbg, stand back 108 stands, tag cmt plug in morning W/ E line, secure well, drain equipment, SDON.	
Report Start Date 11/17/2014	Primary Activity RIH E line / perf / set CICR / TIH
Operations Summary R/U E line RIH 3 1/8" 4spf perf gun, CCL tag up 880' work through paraffin plug, tag cmt plug @ 8890', PUH run collar strip perforate 7118' ELM 4 holes, between collars POH State Utah witnessed, establish CICR, 2 bpm @ 200 psi, circ up 9 5/8" intermediate, nothing up 13 3/8" surface casing, RIH 5.781 OD GR W/ (1) wt bar, ccl, stack out @ 880' POH add wt bar, see residual paraffin on tools, pump 50gal diesel stack out 910' work tools broke through paraffin run to depth 7075' ELM no problems, run collar strip POH, RIH 5.69 OD CICR, run collar strip set @ 7060' ELM retag POH R/D E line, P/U stinger TIH 10 stands 2 7/8" tbg secure well SDON.	
Report Start Date 11/18/2014	Primary Activity TIH / pump cmt plug #4
Operations Summary TIH 68 stands 2 7/8" tbg, P/U 1 jt 2 7/8" tbg sting into CICR tag @ 7070'MD get injection rate 2bpm 400psi, Mix and pump total 85 sxs 15.8# class G cmt, 1.15 yield, slurry 15.1bbls, Pump 3bbls FW, 53 sxs 15.8# class G cmt, 1.15 yield, slurry 9.4 bbls, below CICR see good returns up 9 5/8" intermediate, displace 32bbls, sting out & pump 32 sxs 15.8# class G cmt, 1.15 yield, slurry 5.7 bbls, top CICR displace 4bbls TOC 6900', TOH L/D 111 jts 2 7/8" tbg stand back 53 stands 2 7/8" tbg secure well SDON. (Note: State Utah witnessed Lisha Cordova)	
Report Start Date 11/19/2014	Primary Activity Pump plug #4A
Operations Summary Rig broke down, L/D 4 jts 2 7/8" tbg, Rig still not running correct, secure well SDON.	
Report Start Date 11/20/2014	Primary Activity Pump plug #4A
Operations Summary TOH L/D 71 jts 2 7/8" tbg rig problems S/D for repairs secure well make repairs.	
Report Start Date 11/21/2014	Primary Activity Pump plug #4A
Operations Summary TOH 53 stands 2 7/8" tbg R/U E line RIH perf gun 4spf ccl, run collar strip perforate @ 3550' between collars POH, RIH 5.71 OD GR depth 3540' POH, RIH 5.67 CICR CCL run collar strip set @ 3500' between collars POH, RIH perf gun 4spf ccl, run collar strip perforate @ 100' between collars POH R/D E line, TIH stinger, 53 stands 2 7/8" tbg sting into CICR establish inj rate 1.5 - 2 bpm @ 100psi, Pump 3bbl FW, Mix and pump 70sxs 15.8# class G cmt, 1.15 yield, slurry 12.4 bbls, Open 13 3/8" pump 47 sxs 15.8# class G cmt, 1.15 yield, slurry 8.3 bbls below CICR see returns, close 13 3/8" open 9 5/8" Pump 13 sxs 15.8# class G cmt, 1.15 yield, slurry 2.3 bbls below CICR see returns, close 9 5/8" open 7" sting out pump 10 sxs 15.8# class G cmt, 1.15 yield, slurry 1.8 bbls, above CICR see returns, displace 17bbls fresh water, L/D 106 jts 2 7/8" tbg. secure well SDON.	
Report Start Date 11/22/2014	Primary Activity Pump plug #5
Operations Summary R/D floor,N/D BOPs, N/U well head, haul cmt to location, move off 2 7/8" tbg to pipe yard, S/D sever weather.	
Report Start Date 11/23/2014	Primary Activity Pump plug #5
Operations Summary R/D rig and equipment, Pump 10bbls FW load hole, Mix and pump total 60 sxs 15.8# class G cmt, 1.15 yield, slurry 10.6bbls, down 7", open 13 3/8" see returns to surface, close 13 3/8", open 9 5/8" see returns to surface, R/D cmt equipment clean up, drain up.	
Report Start Date 11/24/2014	Primary Activity Cut off well head/ weld plate info
Operations Summary Dig out well head	
Report Start Date 11/25/2014	Primary Activity Cut off well head/ weld plate info
Operations Summary Cut off well head, R/U cmt equipment, Mix and pump 7.5 sxs 15.8# class G cmt, 1.15 yield, slurry 1.3bbls top off w/ 1" poly pipe, weld on plate info, drain up equipment.	
Report Start Date 11/26/2014	Primary Activity Clean off location
Operations Summary Fill in dirt work M/O equipment final report.	

MAGNA ENERGY SERVICE Rig 23

DATE	LOCATION
10-30-14	Company: Merit ARE W11-1

SUMMARY

43-043-30277
11 3N 7E

<p>5:30-Travel</p> <p>6:30-JSA</p> <p>7:00-Tear down well to spot rig in</p> <p>9:00-Rig up</p> <p>10:00-ND WH-Nu BOP-Ru floor-change handling equip. 2 7/8"</p> <p>12:00-Lunch-wait for call about spooler for 1/4" chemical line banded to tbg-organize & clean equip. -wait for pump to show up</p> <p>4:00-Shut well in-secure equip. & location</p> <p>4:30-Travel-send hand to pick up blower</p> <p>5:30/9:30</p>
--

NAMES	HOURS	SUBSTANCE
Darie Roehm	12	Yes
Tony Hernandez	12	Yes
Armando Lopez	12	Yes
Mike Schroyer	16	Yes
Shane Berube	12	Yes

NOTES

Tomorrows Tasks: TOOH removing chemical line and bands
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REVINUE	COST
0	

MAGNA ENERGY SERVICE Rig 23

DATE	LOCATION
10-31-14	Company: Merit ARE W11-1

SUMMARY

5:30-Travel 6:00-JSA 7:00-Pull hanger-Ru spooler for ¼" chemical line 8:30-TOOH removing chemical line & clamps 6:00-Got 113 (226 jts) stands stood back-shut well in-secure equip. & location 6:30-Travel 7:30

NAMES	HOURS	SUBSISTANCE
Darie Roehm	14	Yes
Tony Hernandez	14	Yes
Armando Lopez	14	Yes
Mike Schroyer	14	Yes
Shane Berube	14	Yes

NOTES

Tomorrows Tasks: Finish TOOH

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-2-14	Company: Merit ARE W11-1

SUMMARY

<p>5:30-Travel 6:30-JSA 7:00-Ru WL-RIH with GR & tagged @35' (pump 100 gals diesel down well)-RIH with GR & tagged @2100' (pump 75 gals diesel down well)-continue down hole with GR & tagged @4300'-POOH 10:00-Wait for hot oiler 12:00-Ru hot oiler-pump 80 bbls down well 2:00-RIH with GR & tagged @2300'-POOH (came out with no tools-lost them down hole) 3:30-Call for fishing tools-Rd WL-shut well in-secure equip. & location 4:30-Travel 5:30</p>
--

NAMES	HOURS	SUBSISTANCE
Darie Roehm	12	Yes
Tony Hernandez	12	Yes
Armando Lopez	12	Yes
Mike Schroyer	12	Yes
Shane Berube	12	Yes

NOTES

Tomorrows Tasks: TIH with over shot & push WL tools to bottom-TOOH with tools

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-3-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>8:30-Meet tool hand in Evanston-travel to location 9:30-JSA meeting 10:00-TIH with 5 3/4" OD overshot on bottom of tbg (push fish to bottom) 3:15-Tag bottom @15320' (471 jts)-lay down 19 jts 3:45-TOOH 5:15-Shut well in-secure equip. & location 5:45-Travel 6:30</p>
--

NAMES	HOURS	SUBSISTANCE
Darie Roehm	10	Yes
Tony Hernandez	10	Yes
Armando Lopez	10	Yes
Mike Schroyer	10	Yes
Shane Berube	10	Yes

NOTES

Tomorrows Tasks: Finish TOOH-TIH with CIBP on bottom of tbg-roll hole

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-4-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>5:30-Travel 6:30-JSA 7:00-Fix frozen airline-TOOH-came out with fish (junk basket & GR) 12:30-TIH with 7" CIBP 2:30-Hit tight spot @5125'-went 90' deeper & hit another tight spot & set the CIBP @5215' (160 jts)-make phone calls 3:45-Sting out of CIBP-TOOH-came out with setting tool (top slips were attached-plug never set) 5:30-Shut well in-secure equip. & location 6:00-Travel 7:00/10:00</p>
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NAMES	HOURS	SUBSISTANCE
Darie Roehm	16.5	Yes
Tony Hernandez	13.5	Yes
Armando Lopez	13.5	Yes
Mike Schroyer	13.5	Yes
Shane Berube	13.5	Yes

NOTES

<p>Tomorrows Tasks: TIH with 5 3/4" bit on bottom of tbg-tag plug-lay 1 jt down-shut down & travel home</p>

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-5-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel 6:30-JSA 7:00-Bit sub was wrong size-call for new one 10:00-TIH with 5 3/4" bit on bottom of tbg 11:30-Tag plug-lay down 1 jt-shut well in-secure equip. & location 12:00-Travel 7:00

NAMES	HOURS	SUBSISTANCE
Darie Roehm	13.5	Yes
Tony Hernandez	13.5	Yes
Armando Lopez	13.5	Yes
Mike Schroyer	13.5	Yes
Shane Berube	13.5	Yes

NOTES

Tomorrows Tasks:

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-9-14	Company: Merit Energy ARE W11-1

SUMMARY

11:00-Travel to Evanston 7:00

NAMES	HOURS	SUBSISTANCE
Darie Roehm	8	Yes
Tony Hernandez	8	Yes
Armando Lopez	8	Yes
Mike Schroyer	8	Yes
Shane Berube	8	Yes

NOTES

Tomorrows Tasks: Ru PS-drill up CIBP-TIH to bottom-TOOH

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-10-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel
6:30-JSA
7:00-Ru PS-fix butter fly valves on pump
9:45-Establish circ.-start drilling up CIBP
12:30-Fell through plug-run 1 more jt with PS-Rd PS
1:10-TIH to bottom (15100'/464 jts)
3:50-TOOH (50 stands)
5:15-Shut well in-secure & drain equip.
6:00-Travel
7:00

NAMES	HOURS	SUBSTANCE
Darie Roehm	13.5	Yes
Tony Hernandez	13.5	Yes
Armando Lopez	13.5	Yes
Mike Schroyer	13.5	Yes
Shane Berube	13.5	Yes

NOTES

Tomorrows Tasks: TOOH-hot oil csg-Ru WL-RIH with GR & CIBP
--

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-11-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel
6:30-Start equip.-JSA meeting
7:00-Continue TOOH
10:45-JSA & safety training-lunch
12:30-Ru hot oilers to csg (finish pre heating water)
1:40-Start pumping 400 bbls water (with a chemical to break down paraffin)
2:30-Ru WL-RIH with 5.718" GR to 14780'-POOH-RIH with CIBP & set @14730'-Rd WL
6:00-Send crew to hotel-7:00
8:30-Shut well in-secure equip. & location
9:00-Travel
10:00

NAMES	HOURS	SUBSISTANCE
Darie Roehm	16.5	Yes
Tony Hernandez	16.5	Yes
Armando Lopez	13.5	Yes
Mike Schroyer	13.5	Yes
Shane Berube	13.5	Yes

NOTES

Tomorrows Tasks: TIH-tag plug-roll hole clean

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-12-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel 6:30-Start equip.-JSA 7:00-TIH with perf. sub on bottom 12:30-Tag CIBP @14720' (8' in on jt 453)-lunch 1:30-Ru pump line-start rolling hole clean 4:30-Shut well in-drain & secure equip. 6:30-Travel 7:30

NAMES	HOURS	SUBSISTANCE
Darie Roehm	14	Yes
Tony Hernandez	14	Yes
Armando Lopez	14	Yes
Mike Schroyer	14.5	Yes
Shane Berube	14	Yes

NOTES

Tomorrows Tasks: Finish rolling hole clean-pressure test csg-pump 18sxs on top of CIBP-lay down to 13200' and pump 36sxs balance plug-WOC

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-13-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>5:30-Travel 6:30-Start equip.-JSA 7:00-Try to get pump started-thaw out WH & tbg 9:30-Start rolling hole clean (160 bbls to get circ.) 1:00-Pressure test csg (failed/1 bbl a min @600 psi injection)-Ru cmt equip. 3:10-Start pumping 15.8# cmt (3 bbls FW-20sxs/4 bbls cmt-1 bbl FW-83 bbls disp.)(Cmt: 14720' to 14620') 4:00-Lay down 46 jts 4:45-Shut well in-drain & secure equip. 5:30-Travel 6:30</p>

NAMES	HOURS	SUBSISTANCE
Darie Roehm	13	Yes
Tony Hernandez	13	Yes
Armando Lopez	13	Yes
Mike Schroyer	13	Yes
Shane Berube	13	Yes

NOTES

<p>Tomorrows Tasks: try to pressure test csg again-if it fails TOO & pick up packer and search for holes-if it passes pump 40sxs @13200'-WOC</p>
--

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-14-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>5:30-Travel 6:30-Start equip.-JSA 7:00-Ru pump line-establish circ.-pressure test csg to 500 psi (pass)-Ru cmt equip. 10:30-Start pumping 15.8# cmt (3 bbls FW-40sxs/8 bbls cmt-1 bbl FW-73 bbls disp.)(Cmt: 13210' to 12987') 11:30-Lay down 6 jts-stand 20 stands in derrick-WOC-lunch 12:30-Change oil on rig-fix water truck-shut well in-secure & drain equip. 4:30-Travel 5:30</p>
--

NAMES	HOURS	SUBSISTANCE
Darie Roehm	12	Yes
Tony Hernandez	12	Yes
Armando Lopez	12	Yes
Mike Schroyer	12	Yes
Shane Berube	12	Yes

NOTES

Tomorrows Tasks: TIH & tag TOC-lay down to 12000' & pump 40sxs plug-WOC

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-15-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>5:30-Travel-wait for road to be bladed to location 7:00-Start equip.-JSA meeting 7:45-TIH & tag TOC @12,990' (400 jts) 9:20-Lay down 27 jts (EOT @12,132')-Ru cmt equip.-fix water truck-lunch 1:00-Start pumping 15.8# cmt (bbl FW-40sxs/8 bbls cmt-1 bbl FW-67 bbls disp.)(Cmt: 12,132' to 11,910') 1:45-Lay down 6 jts-stand 20 back-WOC 2:30-Shut well in-drain & secure equip. 3:30-Travel 4:30</p>

NAMES	HOURS	SUBSISTANCE
Darie Roehm	11	Yes
Tony Hernandez	11	Yes
Armando Lopez	11	Yes
Mike Schroyer	11	Yes
Shane Berube	11	Yes

NOTES

<p>Tomorrows Tasks: TIH & tag TOC-lay down to 9160' & pump 40sxs-lay down to 7050'-TOOH</p>

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-16-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel 6:30-JSA 7:00-Try to get equip. started 9:15-TIH & tag TOC @11,890 (366 jts) 9:45-Lay down 83 jts (EOT @9170')-Ru cmt equip.-lunch 1:00-Start pumping 15.8# cmt (1 bbl FW-40sxs/8 bbls cmt-1 bbl FW-50 bbls disp.)(Cmt: 9170' to 8950') 1:45-Lay down 66 jts-TOOH (216 jts) 4:30-Shut well in-drain & secure equip. 5:30-Travel 6:30

NAMES	HOURS	SUBSISTANCE
Darie Roehm	13	Yes
Tony Hernandez	13	Yes
Armando Lopez	13	Yes
Mike Schroyer	13	Yes
Shane Berube	13	Yes

NOTES

Tomorrows Tasks:

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-17-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>5:30-Travel 6:30-Start equip.-JSA 7:00-Dig out surface valve-wait for WL 7:40-Ru WL-RIH with perf. gun & tag TOC @8890'-pull up hole & shoot 4 holes @7118'-POOH-RIH with 5.781" GR (fought paraffin) to 7200'-POOH-RIH with CICR (fought paraffin) & set @7060'-POOH-Rd WL 4:45-Shut well in-secure equip. & location 5:30-Travel 6:30</p>
--

NAMES	HOURS	SUBSISTANCE
Darie Roehm	13	Yes
Tony Hernandez	13	Yes
Armando Lopez	13	Yes
Mike Schroyer	13	Yes
Shane Berube	13	Yes

NOTES

<p>Tomorrows Tasks: TIH with stinger-sting into retainer & reestablish circ.-pump 90sxs-lay down to 3500'-TOOH</p>

REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-18-14	Company: Merit Energy ARE W11-1

SUMMARY

<p>5:30-Travel 6:30-JSA 7:00-TIH with stinger on bottom of tbg 10:15-Tag CICR @7070' (217 jts)-sting into retainer-reestablish circ. up 9 5/8" csg- Ru cmt equip.-lunch 12:40-Start pumping 15.8# cmt (1 bbl FW ahead-85sxs/17 bbls cmt-1 bbl FW-34 bbls disp.-sting out-4 bbls disp.)(Cmt: 53sx below & 32sxs on top) 1:40-Laid down 24 jts when the Turbo blew up on the Rig 2:30-Start making phone calls to find a turbo-reverse circ. tbg clean-shut well in- drain & secure equip. 4:00-Travel 5:00</p>
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NAMES	HOURS	SUBSISTANCE
Darie Roehm	11.5	Yes
Tony Hernandez	11.5	Yes
Armando Lopez	11.5	Yes
Mike Schroyer	11.5	Yes
Shane Berube	11.5	Yes

NOTES

<p>Tomorrows Tasks: Install new turbo-TOOH-Ru WL-shoot holes @3550' & 100'-set CICR @3500'</p>

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-19-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel 6:30-JSA 7:00-Replace turbo on rig (studs snapped while taking off old turbo-try to drill out) 3:30-Finish installing turbo-start rig (run blocks up & down a few times) 4:00-Laid down 3 jts and lost boost in the turbo (try to fix problem) 5:00-Travel (got turbo working) 6:00

NAMES	HOURS	SUBSISTANCE
Darie Roehm	12.5	Yes
Tony Hernandez	12.5	Yes
Armando Lopez	12.5	Yes
Mike Schroyer	12.5	Yes
Shane Berube	12.5	Yes

NOTES

Tomorrows Tasks: TOO-H-Ru WL-shoot 4 hole @3550'-set CICR @3500'-shoot 4 holes @100'-Rd WL-TIH
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REVINUE	COST
0	

MAGNA ENERGY SERVICE RIG 23

DATE	LOCATION
11-20-14	Company: Merit Energy ARE W11-1

SUMMARY

5:30-Travel
6:30-JSA
7:00-TOOH (got 47 jts out when turbo went out again-turbo had bad bearings)
8:30-Travel to Rock Springs to get a new turbo (under warranty)-switch out tongs
2:30-Instal new turbo
4:30-Travel
5:30

NAMES	HOURS	SUBSISTANCE
Darie Roehm	12	Yes
Tony Hernandez	10	Yes
Armando Lopez	8	Yes
Mike Schroyer	8	Yes
Shane Berube	14	Yes

NOTES

Tomorrows Tasks: TOOH-Ru WL-shoot holes @3550'-set CICR @3500'-shoot holes @100'-TIH with stinger

REVINUE	COST
0	

Company Name: Merit Energy Company
AFE or Project #: API#: 43-043-30277-00-00
Well Name: ARE W11-1
RIG #: 23
Tool Pusher: Daric Roehm
Operator: Tony Hernandez
Rig Hand: Armando Lopez
Rig Hand: Mike Shroyer
Rig Hand: Shane Berube
Rig Hand: _____
Rig Hand: _____

Company Man: Mel Wren **Date:** 11/21/2014
Projected Days: _____ **Days on Well:** _____
Section: 11 **Township:** 03.0N **Range:** 07.0E

Hours	Per-diem
12.5	50
12.5	50
12.5	50
12.5	50
12.5	50

Tool Pusher Cell: 435-790-2427
Company Man Cell: 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel			
7:00AM		JSA, TOOH W/ 138 Jts. 2 7/8" Tbg., R/U Mgna Wireline,			
		RIH W/ 4 Shot Squeeze Gun, Shoot Holes @ 3550', POOH,			
		Pump 40 Bbls. Water down 7"x9 5/8" @2 Bbl. Min. @ 0 Psi.,			
		RIH W/ 5.7 Gauge Ring to 3500', POOH, RIH W/ CICR Set @			
		3500', POOH, RIH W/4 Shot Squeeze Gun shoot holes @ 100',			
		R/D Wire line, TIH W/ 108 Jts. 2 7/8" Tbg., Sting into CICR,			
		Injection rate: 1 1/2 Bbl. Min. @ 100 Psi., Pump 1 Bbl. Fresh,			
		70 Sxs. Cement, 1 Bbl. Fresh, 14.5 Bbls. Displ. W/ 13 3/8"			
		Valve Open, Close Valve, Open 9 5/8" Valve Pump 2.5			
		Bbls. Displ., Sting out of CICR, Pump 1.5 Bbls. Displ., L/D			
	5:30PM	108 Jts. 2 7/8" Tbg., Drain Lines, R/D Floor, SWIFN			
5:30PM	6:30PM	Crew Travel			
Comments:			Comments:		

District Mangers Signature: _____

Company Name: Merit Energy Company
AFE or Project #: API#: 43-043-30277-00-00
Well Name: ARE W11-1
RIG #: 23
Tool Pusher: Darie Roehm
Operator: Tony Hernandez
Rig Hand: Armando Lopez
Rig Hand: Mike Shroyer
Rig Hand: Shane Berube
Rig Hand: _____
Rig Hand: _____

Company Man: Mel Wren
Projected Days: _____

Date: 11/23/2014
Days on Well: _____

Section: 11 **Township:** 03.0N **Range:** 07.0E

Hours	Per-diem
11	50
11	50
11	50
11	50

Tool Pusher Cell: 435-790-2427
Company Man Cell: 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:30AM	8:30AM	Crew Travel Stage @ bottom of Mountain for Blade			
8:30AM	10:00AM	RDWOR			
10:00AM	12:00PM	Chain up Rig, Prep. Cementer and Pump			
12:00pm	1:00pm	Defrost Well, Load Hole W/ 15 bbls. Water, Break Circ.			
1:00pm	2:30pm	Pump cement down 7" up 13 3/8" W/ 28 sxs. 100' to Surf.,			
		Close 13 3/8" Valve, Open 9 5/8" Valve, Pump 13 sxs. cement			
		100' to Surf., 18 sxs. Cement in 7" 100' to Surf. (60 sxs. Total)			
2:30pm	4:30pm	Winterize Equip., Clean Location, Move Equip. away From well			
		So we can use wrecking ball on cellar, SWIFN			
4:30PM	5:30PM	Crew Travel			
Comments: All Cement Pumped is Class G W/ 1.15 sx/yard @ 15.8#			Comments:		

District Mangers Signature: _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	8. WELL NAME and NUMBER: ARE W11-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0533 FNL 1486 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 11 Township: 03.0N Range: 07.0E Meridian: S	9. API NUMBER: 43043302770000
PHONE NUMBER: 972 628-1540 Ext	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
COUNTY: SUMMIT	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/10/2018	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy request 1 year extension for reclaiming the above referenced well. Merit plans on reclaiming the well in the 3rd quarter of 2018.

Approved by the
 September 02, 2016
 Oil, Gas and Mining

Date: _____
 By:

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/2/2016	