

# 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  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 540' FSL & 1550' FEL Sec 36-T15-1/2S-R24E  
At proposed prod. zone Approx the same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 30 miles to Mack, Colorado

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 540'  
16. NO. OF ACRES IN LEASE 1094.36

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3300'  
19. PROPOSED DEPTH 7840'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
8260' (GR) 8319'

### 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	10-3/4"	40.5#	300'	300 SX
9-7/8"	7-5/8"	26.4#	4000'	2 stage-1st stg = 230 SX 2nd stg = 300 SX
6-3/4"	5"	18.0#	7840'	220 SX

Propose to drill a Dakota-Cedar Mountain well to a depth of 7840' as is outlined in the following attachments:

- 1 - Certified Location Plat
- 2 - Access Route Diagram
- 3 - BOPE Diagram
- 4 - Brief Drilling Plan

## RECEIVED

JUN 13 1984

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

DATE: June 13/84  
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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 [Signature] TITLE Operations Manager DATE June 4, 1984  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

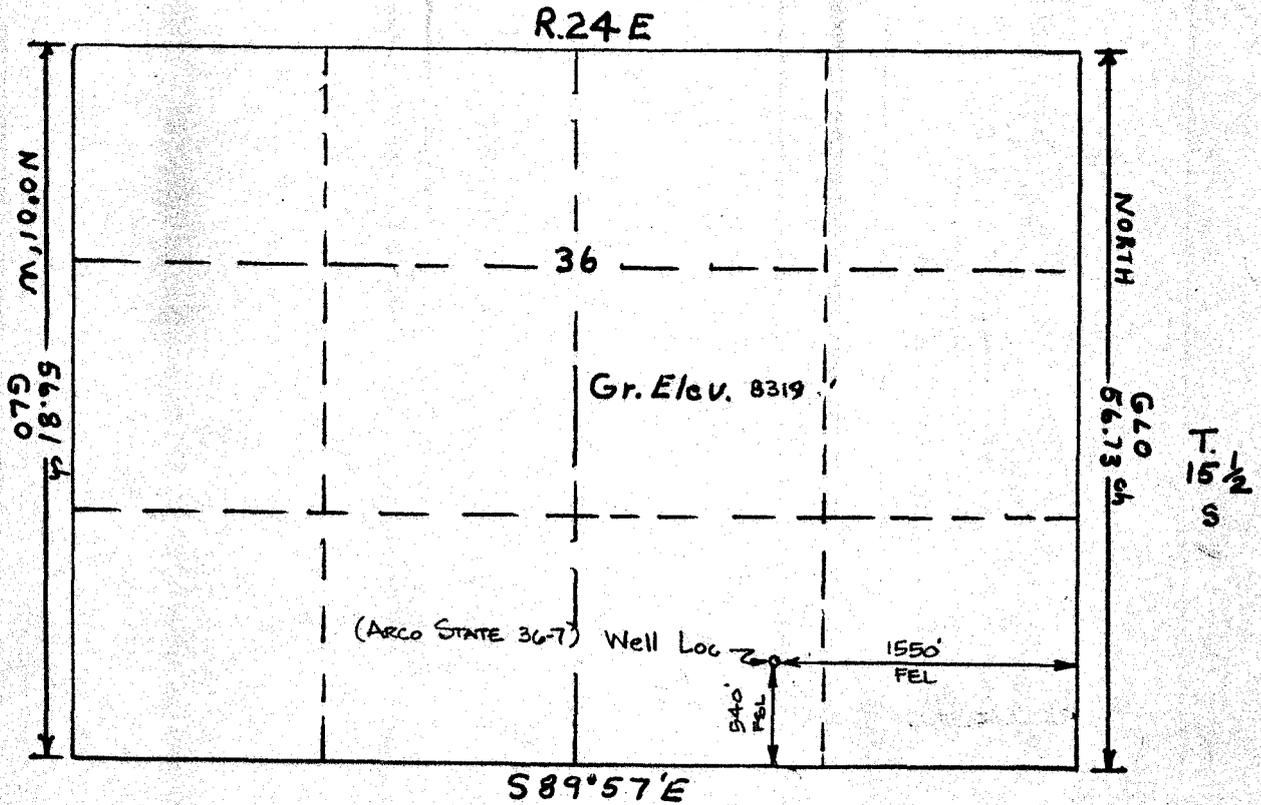
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



Attachment 1  
Certified Location Plat  
ARCO State #36-7



Scale... 1" = 1000'

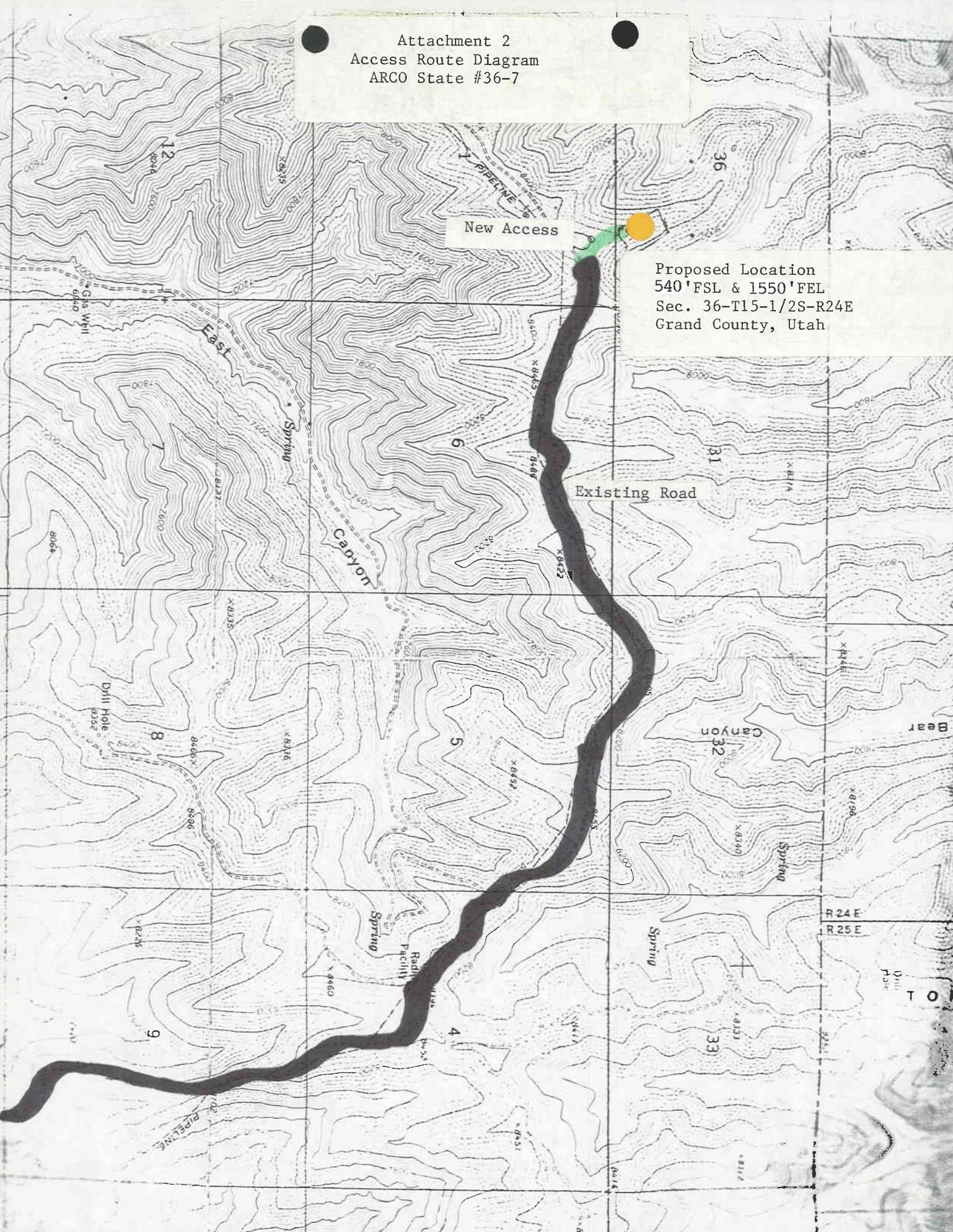
Powers Elevation of Denver, Colorado  
 has in accordance with a request from SUZANNE BARNES  
 for Arco Oil & Gas  
 determined the location of Arco State 36-7  
 to be 540 fsl, 1550 fel Section 36 Township 15 1/2 S  
 Range 24E of the Salt Lake Principal Meridian  
 Grand County, Utah

I hereby certify that this plat is an  
 accurate representation of a correct  
 survey showing the location of  
 Arco STATE 36-7

Date: 6-5-84

T. Nelson  
 Licensed Land Surveyor No. 2711  
 State of UTAH

Attachment 2  
Access Route Diagram  
ARCO State #36-7



New Access

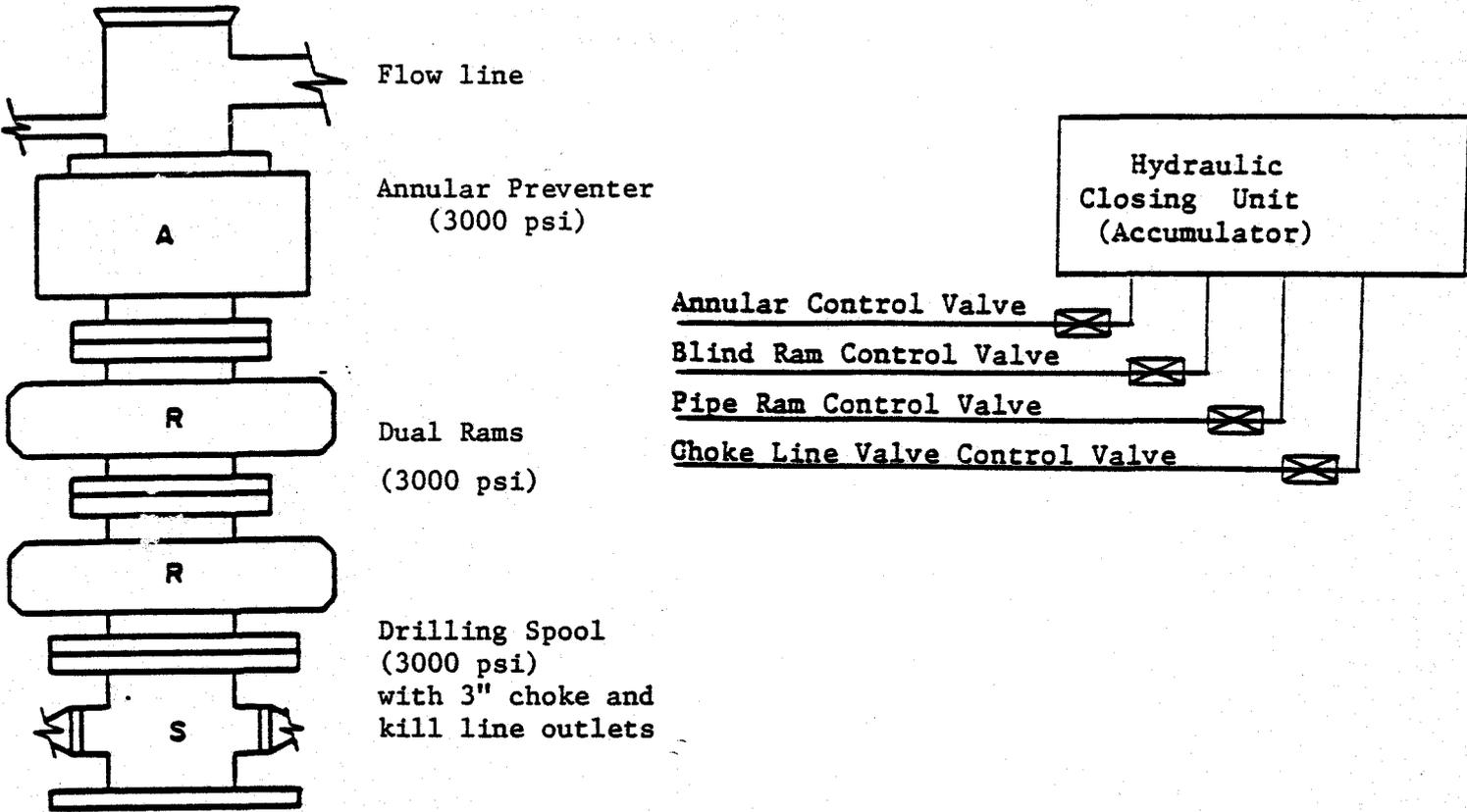
Proposed Location  
540' FSL & 1550' FEL  
Sec. 36-T15-1/2S-R24E  
Grand County, Utah

Existing Road

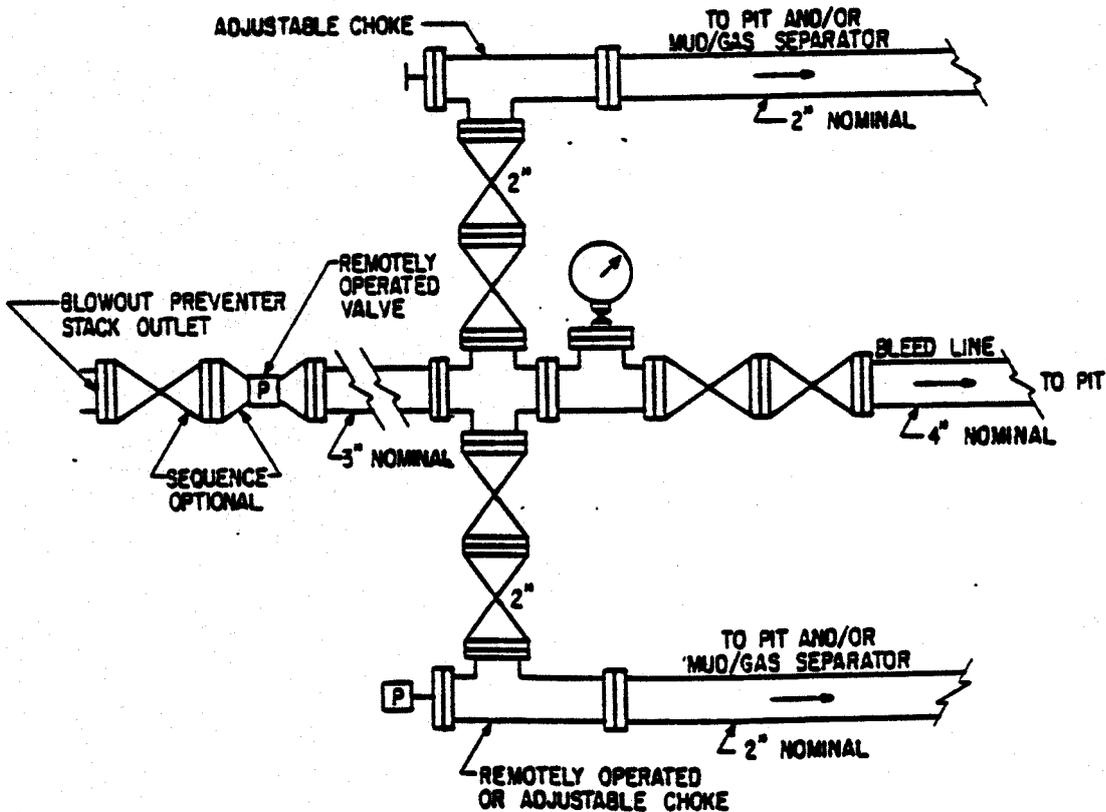
R24E  
R25E

TO

BOP Schematic



Choke Manifold (3000 psi)



ATTACHMENT 4  
DRILLING PLAN  
 ARCO State #36-7

Estimated Formation Tops (Based on 8290' GL elevation)

Wasatch	- surf	Mancos B	- 4750'	Salt Wash	- 7781'
Mesaverde	- 1693'	Frontier	- 7005'	TD	- 7840'
Sego	- 3093'	Dakota Silt	- 7275'		
Bucktongue	- 3333'	Dakota Group	- 7320'		
Castlegate	- 3636'	Cedar Mtn	- 7446'		
Mancos	- 3841'	Morrison	- 7491'		

Potential Oil or Gas

There is hydrocarbon potential in all zones from the Mesaverde to TD.

Mud Program

0 - 4000' LSND mud wt = 8.8 ppg vis = ±40  
 4000 - TD Air/Gas to LSND

Logging Program

Open hole: TD - 4000'  
 DIL/MSFL/GR/Cal 4000' - 300'  
 SNL/FDC/GR/Cal TD - 6500'

Cased hole:  
 CBL/VDL/GR/CCL PBTB - TOC

No tests or cores are anticipated to be run at this time.

Blowout Prevention Equipment

<u>Interval</u>	<u>BOP Working Pressure</u>	<u>Stack Arrangement</u>
0 - 300'	3000 psi	S-R-R-A(G)

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked each time pipe is pulled out of the hole.

All ram type preventers and related control equipment will be hydraulically tested at nipple up & after any use under pressure, at full working pressure or at 70% of the minimum internal yield pressure of the casing, whichever is less. The annular preventer will be tested to 60% of full working pressure.

All pressure tests will be reported on the official daily drilling report form.

Spud Date and Duration

The spud date is anticipated for July 1, 1984, or as soon as possible after all permitting approvals have been received. Drilling operations are expected to last 28 days with an additional 15 days planned for testing & completion operations.

OPERATOR Arco Oil + Gas DATE 6/15/84

WELL NAME Arco State #36-7

SEC SWSE 36 T. 15 1/2 S R. 24E COUNTY Drend  
(Irregular section)

43-019-31162  
API NUMBER

State  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other wells within 2000'  
Need Water

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT

c-3-b

c-3-a 149-1 3/14/73  
CAUSE NO. & DATE  
(drilling unit # 2)

c-3-c

SPECIAL LANGUAGE:

1- Water

Well Spudded 9/3/84.

June 18, 1984

Arco Oil & Gas Company  
a Division of Atlantic Richfield Co.  
P. O. Box 5540  
Denver, Colorado 80217

RE: Well No. Arco State #36-7  
SW/4 Sec. 36, T. 15 1/2, R. 24E  
540' PSL, 1350' FEL  
Grand County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 149-1 dated March 14, 1973, subject to the following stipulations:

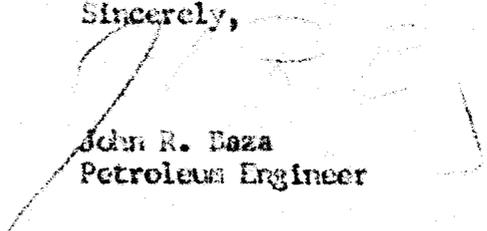
1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. 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 43-019-31162.

Sincerely,

  
John R. Baza  
Petroleum Engineer

HJF/as  
cc: State Lands  
Branch of Fluid Minerals

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-019-31162

NAME OF COMPANY: ARCO OIL & GAS

WELL NAME: ARCO STATE 36-7

SECTION SWSE 36 TOWNSHIP 15½ RANGE 24E COUNTY Grand

DRILLING CONTRACTOR CRC Drilling

RIG # 75

SPUDDED: DATE 9-3-84

TIME 5:00 PM

How Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Suzanne Barnes

TELEPHONE # 303-293-1077

DATE 9-4-84 SIGNED AS

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.

5. LEASE DESIGNATION AND SERIAL NO.	STATE ML-22208
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	NA
7. UNIT AGREEMENT NAME	NA
8. FARM OR LEASE NAME	ARCO State
9. WELL NO.	36-7
10. FIELD AND POOL, OR WILDCAT	San Arroyo
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA	36-T15-1/2S-R24E
12. COUNTY OR PARISH	Grand
13. STATE	Utah

OIL WELL  GAS WELL  OTHER

NAME OF OPERATOR  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company

ADDRESS OF OPERATOR  
P.O. Box 5540, Denver, Colorado 80217

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface 540' FSL & 1550' FEL Sec 36-T15-1/2S-R24E

PERMIT NO.  
43-019-31162

14. ELEVATIONS (Show whether OF, TO, OR FROM)  
8319' GL

**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) <input type="checkbox"/>	SPUD AND SURFACE CASING <input type="checkbox"/>

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

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.)

MI & RU CRC Rig #75; 16" conductor previously set @ 54-1/2" KB. SPUD 14-3/4" hole @ 1700 hrs 9-3-84. Drilled to 315'. RU and ran 8 jts 10-3/4", 40.5#, STC casing and set @ 315'KB. Cemented with 335 sx Class "G", 2% CaCl<sub>2</sub> and 1/4#/sx flocele. Circulate 20 bbls cement. Good returns. Bumped plug. Tested BOP to 1500 psi for 15 mins and 250 psi for 5 mins and 3000 psi for 15 mins - held OK. Drilling ahead 9-7-84.

I hereby certify that the foregoing is true and correct

SIGNED L. B. Morse / by TITLE Operations Manager DATE 9-27-84  
L. B. Morse

(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

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.

OIL WELL  GAS WELL  OTHER

NAME OF OPERATOR

ARCO Oil and Gas Company, Division of Atlantic Richfield Company

ADDRESS OF OPERATOR

P.O. Box 5540, Denver, Colorado 80217

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

At surface

540' FSL & 1550' FEL Sec 36-T15-1/2S-R24E

5. LEASE DESIGNATION AND SERIAL NO.  
STATE ML-22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA

7. UNIT AGREEMENT NAME  
NA

8. FARM OR LEASE NAME  
ARCO State

9. WELL NO.  
36-7

10. FIELD AND POOL, OR WILDCAT  
San Arroyo

11. SEC. T., R., M., OR BLK. AND  
SUBST OR ASSA  
36-T15-1/2S-R24E

PERMIT NO.

43-019-31162

12. ELEVATIONS (Show whether OP, RT, OR, PLS.)

8319' GL

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

INTERMEDIATE AND PROD CASING

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

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 ahead to 3940'. Logged. RU and ran 27 jts 7-5/8", 26.4#, STC casing and set @ 3940' KB. Cemented with 235 sx 50/50 poz, 2% gel, 1/4#/sx flocele followed by 100 sx Class "G" preceded with 20 bbls water. Good circulation. Tested BOP to 3000 psi for 10 mins. Drilled cement and drilling ahead 9-18-84.

Drilled ahead to 7945' TD. Logged. RU and ran 201 jts 5", N-80, LTC casing and set @ 7942' KB. Cemented with 225 sx Class "G", 0.8% D-19, 3/4" D-31. Ran 25 bbls gel water and 40 bbls mud ahead.

Released rig 9-26-84.

Waiting on completion

RECEIVED

OCT 02

DIVISION OF OIL  
GAS & MINING

I hereby certify that the foregoing is true and correct

SIGNED L.B. Morse

L.B. Morse

TITLE Operations Manager

DATE 9-27-84

(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

3. LEASE DESIGNATION AND SERIAL NO.  
STATE ML-22208

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.

6. IF INDIAN ALLOTTEE OR TRIBE NAME

OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

NAME OF OPERATOR

ARCO Oil and Gas Company, Division of Atlantic Richfield Company

8. FARM OR LEASE NAME

ARCO State

ADDRESS OF OPERATOR

P.O. Box 5540, Denver, Colorado 80217

9. WELL NO.

36-7

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

At surface 540' FSL & 1550' FEL

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC. T., R., M., OR BLK. AND  
SUBST OR AREA

36-15-1/2S-24E

PERMIT NO.  
43-019-31162

14. ELEVATIONS (Show whether OP, RT, OR, etc.)

8319' GL

12. COUNTY OR PARISH 13. STATE

Grand

Utah

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)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) PERF, ACIDIZE & FRAC

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT

15. 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.)

MI & RU Completion Unit 10-7-84. Ran CBL. RIH with bit and casing scraper. Spot 500 gal 7-1/2% HCL with additives @ 7836'. Perf'd Morrison @ 7703, 06, 26, 29, 61, 66, 69, 7800 & 7807'. Swabbed. Spotted 500 gals 7-1/2% HCL from 7836'-7166'. Reperf'd Morrison @ 7806, 7800, 7769, 7766, 7761, 7731, 7729, 7726, 7706 & 7703. Pumped 500 gal acid and 500 gal 2% KCL water into formation. Frac'd Morrison perfs 7807'-7703' with 64,000 gal 75% quality form and 50,000# 20/40 mesh sand. Flowed well for clean-up. Tubing landed @ 7674'. Flowed well. Released rig 10-19-84.

I hereby certify that the foregoing is true and correct

SIGNED L.B. Morse

TITLE Operations Manager

DATE 11-5-84

(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

5. LEASE DESIGNATION AND SERIAL NO.  
STATE ML-22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
ARCO State

9. WELL NO.  
36-7

10. FIELD AND POOL, OR WILDCAT  
~~San Arroyo~~ Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
36-15-1/2S-24E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 540' FSL & 1550' FEL  
At top prod. interval reported below SWSE  
At total depth Approx the same

14. PERMIT NO. 43-019-31162 DATE ISSUED 6-18-84

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 9-3-84 16. DATE T.D. REACHED 9-25-84 17. DATE COMPL. (Ready to prod.) 10-19-84 18. ELEVATIONS (DF, RES. RT, OR, ETC.)\* 8290' GL 8303' KB 19. ELEV. CASINGHEAD 8290'

20. TOTAL DEPTH, MD & TVD 7945' 21. PLUG, BACK T.D., MD & TVD 7868' 22. IF MULTIPLE COMPL., HOW MANY\* 1 23. INTERVALS DRILLED BY ROTARY TOOLS 0-7945' CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Morrison 7703' - 7807' 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/SFL; FDC/CNL; FDC/SNL; DIL 27. WAS WELL CORRED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	---	54-1/2" KB	---	Conductor	---
10-3/4"	40.5#	315' KB	14-3/4"	335 sx	NONE
7-5/8"	26.4#	3940' KB	9-7/8"	335 sx	NONE
5"	18#	7942' KB	6-3/4"	225 sx	NONE

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
---	---	---	---	---	2-3/8"	7674'	---

31. PERFORATION RECORD (Interval, size and number)  
Morrison - 7703, 06, 26, 29, 61, 66, 69, 7800 & 7807

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7703-7807	500 gal 7-1/2% HCL
" "	500 gal acid & 500 gal 2% KCL
" "	64,000 gal 75% quality foam & 50,000# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-15-84 flowed	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-19-84	24 hr	stabilized 1/2"	plate →	---	1027	---	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
170	---	→	---	1027 stabilized	---	---

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold TEST WITNESSED BY Matt Rohret

35. LIST OF ATTACHMENTS  
2 of #26 above and Daily Well History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED L.B. Morse / [Signature] TITLE Operations Manager DATE 11-5-84  
L.B. Morse

# 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 38, below regarding separate reports for separate completions.

**Item 4:** If there are no applicable State requirements, 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 16:** 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 33. 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
NO CORES AND NO DST'S			
<b>38. GEOLOGIC MARKERS</b>			
	NAME	DEPTH	TOP
	Mesaverde	1518'	
	Buck Tongue	3313'	
	Castlegate	3623'	
	Mancos	3830'	
	Mancos "B"	4386'	
	Base of "B"	5128'	
	Frontier	6978'	
	Dakota Silt	7238'	
	Dakota Group	7282'	
	Cedar Mountain	7405'	
	Morrison	7496'	
	Salt Wash	7750'	

15

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

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 540' FSL & 1550' FEL SWSE  
At top prod. interval reported below  
At total depth Approx the same

5. LEASE DESIGNATION AND SERIAL NO.  
STATE ML-22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
ARCO State

9. WELL NO.  
36-7

10. FIELD AND POOL, OR WILDCAT  
San Arroyo Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
36-15-1/2S-24E

14. PERMIT NO. 43-019-31162 DATE ISSUED 6-18-84

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 9-3-84 16. DATE T.D. REACHED 9-25-84 17. DATE COMPL. (Ready to prod.) 10-19-84 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 8290'GL 8303'KB 19. ELEV. CASINGHEAD 8290'

20. TOTAL DEPTH, MD & TVD 7945' 21. PLUG, BACK T.D., MD & TVD 7868' 22. IF MULTIPLE COMPL., HOW MANY\* 1 23. INTERVALS DRILLED BY ROTARY TOOLS 0-7945' CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Morrison 7703' - 7807'

25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL/SFL; FDC/CNL; FDC/SNL; DIL

27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	---	54-1/2"KB	---	Conductor	---
10-3/4"	40.5#	315'KB	14-3/4"	335 SX	NONE
7-5/8"	26.4#	3940'KB	9-7/8"	335 SX	NONE
5"	18#	7942'KB	6-3/4"	225 SX	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
---	---	---	---	---

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7674'	---

31. PERFORATION RECORD (Interval, size and number)  
Morrison - 7703, 06, 26, 29, 61, 66, 69, 7800 & 7807

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7703-7807	500 gal 7-1/2% HCL
" "	500 gal acid & 500 gal 2% KCL
" "	64,000 gal 75% quality foam & 50,000# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION 10-15-84 flowed

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing

WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-19-84	24 hr	stabilized 1/2"	plate	---	1027	---	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
170	---	---	---	1027 stabilized	---	---

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
To be sold

TEST WITNESSED BY  
Matt Rohret

35. LIST OF ATTACHMENTS  
2 of #26 above and Daily Well History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED L.B. Morse TITLE Operations Manager DATE 11-5-84

# 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 38, 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 33. 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
NO CORRES AND NO DST'S			
<b>38. GEOLOGIC MARKERS</b>			
	NAME	HEAD. DEPTH	TOP
	Mesaverde	1518'	
	Buck Tongue	3313'	
	Castlegate	3623'	
	Mancos	3830'	
	Mancos "B"	4386'	
	Base of "B"	5128'	
	Frontier	6978'	
	Dakota Silt	7238'	
	Dakota Group	7282'	
	Cedar Mountain	7405'	
	Morrison	7496'	
	Salt Wash	7750'	

ARCO State #36-7  
SW SE Section 36-15-1/2S-24E  
Grand County, Utah

9/1-4 300 Day-1 (246') - Short trip  
MW: 8.8# Vis: 35  
Spud in @ 1700 hrs, 9/3/84. Drl'd 14-3/4" hole to PD. Shrt trip. Surv: 1/2° @ 100' & 190'.

9/5/84 315 Day-2 (15') - Prep to cut csg MW: 9.0# Vis: 46 Pv/Yp: 16/15  
Circ & WD 10-3/4" csg. Drl 14-3/4" hole to PD. Circ & cond. POH. Ran 10-3/4" csg to 315'. Prep to cnt. Surv: 1/4° @ 300'.

9/6/84 315 Day-3 (0') - Prep to cut csg (10-3/4" @ 315')  
MW: 9.0# Vis: 46 Pv/Yp: 16/15  
Cnt 10-3/4" csg w/355 sx "G" + 2% CaCl<sub>2</sub> + 1/4#/sx flocele. Good returns w/20 bls cnt to surf. CIP @ 0715 hrs, 9/5/84. Cut off conductor, weld on csghd. NU BOPs & tst to 3000 psi. WO repair of csghd.

9/7/84 705 Day-4 (390') - Drlg (10-3/4" @ 315')  
MW: 8.6# Vis: 40 Pv/Yp: 10/4  
WO wear bushing & lock dwn screws & chng out same. RIH. Drl out shoe. Drl'd 14-3/4" hole to PD. Surv: 1/4° @ 430'.

9/8-10 1722 Day-5 (1017') - WO parts. (10-3/4" @ 315')  
MW: 9.1# Vis: 41 Pv/Yp: 15/5  
Drl'd 9-7/8" hole to 1115'. POH. Vy tite. LD 10 sinlges. LD 10 6" DCs. 3 cones sheared off bit. Inspect 8" DCs, PU 10 6" DCs, RIH, & tag fish. Made 3 trips w/magnet & recover 2 bit cones, teeth & bearings. RIH. Drl'd 9-7/8" hole to PD. Survey: 3/4° @ 866', 1° @ 1557'.

9/11/84 2225 Day-8 (503') - Drlg. (10-3/4" @ 315')  
MW: 9.2# Vis: 42 Pv/Yp: 12/6  
Repair rotary drive (8-1/4 hrs). Drl'd 9-7/8" hole to PD. Survey: 3/4° @ 1900'.

9/12/84 2865 Day-9 (640') - Drlg. (10-3/4" @ 315')  
MW: 9.2# Vis: 42 Pv/Yp: 15/4  
Drl'd 9-7/8" hole to PD. Survey: 1-1/2° @ 3403'.

9/13/84 3505 Day-10 (640') - Drlg. (10-3/4" @ 315')  
MW: 9.1# Vis: 42 Pv/Yp: 14/6  
Drl'd 9-7/8" hole to PD. Surveys: 3/4° @ 2940' & 3432'.

POOR COPY

ARCO State #36-7  
SW SE Section 36-15-1/2S-24E  
Grand County, Utah

- 9/14/84 3933 Day-11 (428') - Drlg. (10-3/4" @ 315')  
MW: 9.2# Vis: 48 Pv/Yp: 10/3  
Drl'd 9-7/8" hole to PD.
  
- 9/15-17 3940 Day-14 (7') - NU BOPs. (7-5/8" @ 3940')  
MW: 9.3# Vis: 55 Pv/Yp: 19/10  
Drl'd 9-7/8" hole to PD. POH - tite. RIH, wash 12 jts to btm. Sht trip. Circ & cond. LTD 3942'. RIH. Circ & cond. POH, LD DP & DCs. Run 7-5/8" csg to 3940'. Cmt w/235 sx 50/50 Poz + 2% gel + 1/4#/sx flocele foll'd by 100 sx neat w/gd returns. CIP 2015 hrs 8/16/84. NU BOPs. Survey: 1° @ 3900'.
  
- 9/18/84 4029 Day-15 (89') - Drlg. (7-5/8" @ 3940')  
Air  
NU BOP & blooie line. PU 15 4-3/4" DCs. Tst 7-5/8" to 1500#. PU 3-1/2" DP. Drl flt jts & 10' new hole. Blw hole dry. Drlg 6-3/4" hole to PD.
  
- 9/19/84 4960 Day-16 (931') - Drlg. (7-5/8" @ 3940')  
Air  
Drl'd 6-1/4" hole to PD w/TFN° @ 4059'. Survey: 3/4° @ 4165', 1-1/4° @ 4654'.
  
- 9/20/84 5837 Day-17 (877') - Drlg. (7-5/8" @ 3940')  
Air  
Drl'd 6-3/4" hole to PD. Surveys: 1-3/4° @ 5050', 2-3/4° @ 5357', 3-1/4° @ 5541', 4-1/4° @ 5662' & 5786'.
  
- 9/21/84 6408 Day-18 (571') - Drlg. (7-5/8" @ 3940')  
Air  
Drl'd 6-3/4" hole to PD. Surveys: 4-1/2° @ 5940', 6092' & 6244'.
  
- 9/22-24 7894 Day-21 (1486') - Drlg. (7-5/8" @ 3940')  
Air  
Drl'd 6-3/4" hole to PD w/TFB @ 7053'. Surveys: 4-3/4° @ 6399' & 6612', 4-1/2° @ 6827', 4-3/4° @ 7018', 4° @ 7201'.
  
- 9/25/84 7945 Day-22 (51') - LD DP. (7-5/8" @ 3940')  
Air  
Drl'd 6-3/4" hole to PD. Tst f/gas rate - 112 MCFD. POH. RU Schl. Ran DIL & FDC/CNL. RIH - no fill. POH & LD DP. Survey: 5° @ 7900'.

ARCO State #36-7  
SW SE Section 36-15-1/2S-24E  
Grand County, Utah

- 9/26/84 7945 Day-23 (0') - NU tbghd. (5" @ 7942')  
Air  
LD DP & DCs. Run 201 jts 5", 18#, N-80, LTC. Circ hole w/air. Cmt w/225 sx  
Cl "G" & 0.8% D-19 & 0.75% D-31. CIP 0330 hrs 9/26/84. Lnd csg w/140M# on  
slips. FS @ 7942', FC @ 7858'. ND BOPs & NU tbghd. Will rel rig today.
- 9/27/84 7945 Day-24 TD - WO completion. (5" @ 7942')  
Cut off 5" csg & weld on plate. Fill backside of 5" w/mud. Dmp & cln  
pits. RR 1400 hrs 9/26/84.
- 9/28/84 7945 Day-24 TD - WO completion. (5" @ 7942')
- 9/29-10/1 7945 Day-24 TD - WO completion. (5" @ 7942')  
(Drop f/report until completion commences.)
- 10/6-8 7945 Day-3 PBD: 7812' - RIH w/mill & scrpr. (5" @ 7942')  
Cut off 5" csg. Instl 10" 5M# x 7-1/16" 10M# tbghd & tstd same. Repaired  
rd to loc. Ran CBL/VDL/GR/CCL. TOC 6168'. MI RU Well Tech #230 10/6/84. NU  
7-1/16" 10M# BOP. Unload 2-3/8" tbg. Tst BOP, wellhd & 5" csg to 7000# -  
all held OK. Modified wrk floor to accomodate BOPs & set same. PU 4-1/8"  
mill & scrpr & RIH w/ 2-3/8" tbg. (Dropped f/report of 10/1/84.)
- 10/9/84 7945 Day-4 PBD: 7868' - Swbg. (5" @ 7942')  
RIH w/mill & scrpr & tag up @ 7868'. LD 1 jt & land tbg @ 7836'. Spt 500  
gal 7-1/2% HCl. POH to 6605'. Swb well f/surf to 5000'.
- 10/10/84 7945 Day-5 PBD: 7868' - Prep to swb. (5" @ 7942')  
Swb FL dn to 6400'. POH. RU Dresser & perf'd 1 shot using 3-1/8" gun @ the  
foll'g depths: 7703', 7706', 7726', 7729', 7761', 7766', 7769', 7800' &  
7807'. Sli blw after perf'g & a 200' fld rise. RD Dresser. RIH w/tbg w/"F"  
nple 1 jt up & lnd tbg @ 6362'. MI two 500 bbl tks & begin filling w/2%  
KCl.
- 10/11/84 7945 Day-6 PBD: 7868' - Prep to frac. (5" @ 7942')  
SITP & CP 50#. Blew dn in 5 min Fin RIH w/tbg to 7836'. Ran swb, FL @  
6200'. Swb dn to "F" nple. No fld entry. Made 1 run/hr f/4 hrs - no fld  
entry. Vy sli gas blw while plg swb. SICP incr 0-50 psi during 6 hrs of  
swbg oprns. RD swb. POH 10 jts & PU N-80 subs f/frac. Btm of tbg @ 7511'.  
Fin filling frac tks. SDFN.

4

ARCO State #36-7  
SW SE Section 36-15-1/2S-24E  
Grand County, Utah

- 10/12/84 7945 Day-7 PBD: 7868' - Prep f/N<sub>2</sub> frac. (5" @ 7942')  
Newsco loaded hole w/2% KCl wtr. Unsuccessfully attempted brk dn fm w/8000 psi. Turned well to 24 hr oprn. TIH w/7836' & sptd 500 gals 7-1/2% HCl. PU to 6837' & blew hole dry w/N<sub>2</sub>. POH w/tbg. OWP re-perf'd Morrison selectively f/7703-7807' OA (10 holes); no indication of gas. FL 6450'. RD OWP. Newsco loaded hole w/114 BF indicating 0 fld influx. Brk dn fm w/1500 psi & est inj rate @ 12 BPM @ 1550 psi. PI 500 gals acid & 500 gals 2% KCl wtr into fm. ISIP 880 psi & on vac f/5 min. TIH w/tbg w/notched clr + "F" nple @ 1 jt above clr.
- 10/13-15 7945 Day-10 PBD: 7868' - Prep to chk f/fill. (5" @ 7942')  
Foam frac w/approx 50M# sd out perfs. Avg rate 32 BPM, avg TP 7350 psi, avg annulus press 3800 psi. Screened out w/10M psi tbg press & 8000 psi annulus press. With N<sub>2</sub> dn tbg, blew annulus to pit. Flwd well 20 min to clear annulus of sd. SI well 4 hrs. SITP 975 psi. Flw tst well on 1/2" chk. 714 MCFD, 115 psi FTP, 265 SICP. Prep to strip in hole to chk f/fill.
- 10/16-17 7945 Day-12 PBD: 7868' - Prep to NU tree. (5" @ 7942')  
16 hr SITP 1050 psi, SICP 1100 psi. RIH w/ sinker bars, tag frac sd @ 7712'. RD WL. SDFN. RU coiled tbg. Found tbg plugged. RD coiled tbg. RU string flt & stripper hd. CO 7712-7836' using N<sub>2</sub>. POH 5 jts. Set blanking plug in "F" nple @ 7636'. Make up pkr & RIH w/1 jt & set pkr. SDFN. Prep to ND BOPs, NU tree.
- 10/18/84 7945 Day-13 PBD: 7868' - Prep to tst well. (5" @ 7942')  
ND 10M# BOPs & tbg hd. NU 5M# BOPs & tbg hd. Pld 1 jt & LD pkr. Lnd tbg in tbg hd. Tbg tail @ 7674' w/"F" nple @ 7641'. NU Xmas tree. Pld blanking plug f/"F" nple. SDFN.
- 10/19/84 7945 Day-14 PBD: 7868' - Prep to MO Well Tech Rig #230. (5" @ 7942')  
12 hr SITP 1100 psi, SICP 1150 psi. Flwd well thru 5/8" orifice plate. After 3 hrs, flwg 1465 MCFD, FTHP 160 psi & slightly declining, SICP 170 psi. Chg'd to 1/2" orifice, after 2 hrs flwg 1423 MCFD, FTHP 240 psi, CP 250 psi. Left well flwg O/N.
- 10/20-22 7945 Day-15 PBD: 7868' - FINAL REPORT - COMPLETED GAS WELL, 10/19/84. (5" @ 7942')  
Flw stabilized @ 1027 MCFD @ 170 psi thru 1/2" plate f/Morrison perfs 7703', 7706', 7726', 7729', 7761', 7766', 7769', 7800' & 7807'. Chained & locked master valve. RD MO Well Tech #230. Turned over to production dept. LPP 7807'.

ARCO Oil and Gas Company  
Rocky Mountain District  
707 Seventeenth Street  
Mailing address: P.O. Box 5540  
Denver, Colorado 80217  
Telephone 303 293 7031

L. B. Morse  
Operations Manager

November 7, 1984



RECEIVED

NOV 09 1984

DIVISION OF OIL  
GAS & MINING

ARCO State #36-7  
SW SE Section 36-15-1/2S-24E  
Grand County, Utah

Final Prints of the above referenced well have not yet been received. As soon as they are, they will be forwarded to your office.

K.L. Flinn  
Operations Information Assistant



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 21, 1984

Arco Oil & Gas Company  
P.O. Box 5540  
Denver, Colorado 80217

Gentlemen:

Re: Well No. ARCO State 36-7 - Sec. 36, T. 15 1/2 S., R. 24E.  
Grand County, Utah - API #43-019-31162

According to our records, a "Well Completion Report" filed with this office November 5, 1984 on the above referred to well, indicates the following electric logs were run: DIL/SFL; FDC/CNL; FDC/SNL; and DIL. This office has not yet received these logs.

Please take care of this matter as soon as possible, but not later than January 21, 1985.

Thank you for your prompt attention to this matter.

Sincerely,

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones  
Well Records Specialist

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File

12201984/5

MICROFICHE

36-7-43-019-31162-15 1/2 SO 24E #36

COMPANY: ARCO

36-8-43-019-31192

DATE: 10/29/85 TIME: 10:00a

PERSONAL CONTACT DOCUMENTATION

CONTACT: Chris Fuhr.

CONTACT TELEPHONE NO: 1-505-325-17527

SUBJECT: Going ahead today and rehabing pit on 36-7 and if  
wx holds pit on 36-8. Gate to be installed between  
36-7 & 36-8 to restrict access and key access will be  
made available Sur <sup>13V</sup> Wildfire 1/3 DORM.

(Use attachments if necessary)

RESULTS

Monty Jackson - contractor at US Fruits

(Use attachments if necessary)

CONTACTED BY: WJ

COMPANY: ARCO

DATE: 10/23/85 TIME: 10:55a

PERSONAL CONTACT DOCUMENTATION

36-7 - 43-019-31162  
36-8 - 43-019-31192

CONTACT: Suzanne Barms

CONTACT TELEPHONE NO: 1-303-

SUBJECT: Production out of Farmington, NM, but passing on info to them.

Need signs on 36-7 & 36-8, Rehab pit on 36-7 if possible  
& install gate on 36-7 location to prevent ready access to canyon of 36-8

(Use attachments if necessary)

RESULTS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Use attachments if necessary)

CONTACTED BY: WJ



111907

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

PBW

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.)

NOV 17 1987

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. ML-22208
2. NAME OF OPERATOR Birch Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 3801 East Florida, Suite 900, Denver, Colorado 80210		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 540' FSL, 1550' FEL, Section 36, T15½S, R24E, Grand County, Utah		8. FARM OR LEASE NAME Arco State
14. AP NUMBER 43-01931162		9. WELL NO. No. 36-7
15. ELEVATIONS (Show whether OF, RT, OR, etc.) 8290' G.L., 8303' K.B.		10. FIELD AND POOL, OR WILDCAT East Canyon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T15½S, R24E, SLB & M
		12. COUNTY OR PARISH Grand
		13. STATE County

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 checked="" type="checkbox"/>	MULTIPLE COMPLETE <input checked="" 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) <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.)

We propose to perforate, acidize, and fracture treat according to the attached procedure. The fracture will be designed for a propped fracture length of approximately 800 feet. No surface disturbance is anticipated as any fluids will be contained in steel pits and hauled to a disposal pit. Starting date is estimated to be in mid to late November, 1987 and should be completed within 60 days.

18. I hereby certify that the foregoing is true and correct  
 SIGNED *Jonny Arnes* TITLE Operations Manager DATE 11/16/87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

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

Federal approval of this action is required before commencing operations.

DATE 11-18-87  
 BY *John R. Day*  
 \*See Instructions on Reverse Side

## WORKOVER PROCEDURE

Arco State Well No. 36-7  
East Canyon Field, Grand County, Utah

LOCATION: 540' FSL, 1550' FEL, Section 36, T15½S, R24E, Grand County, Utah.

ELEVATIONS: 8290' G.L., 8303' K.B. NOTE: All depths measured from K.B. which is 13 feet above G.L.!

TUBULARS: 5" OD set at 7942' and cemented with 225 sacks in September, 1984. 2-3/8" EUE tubing landed @7674 feet.

### PROCEDURE:

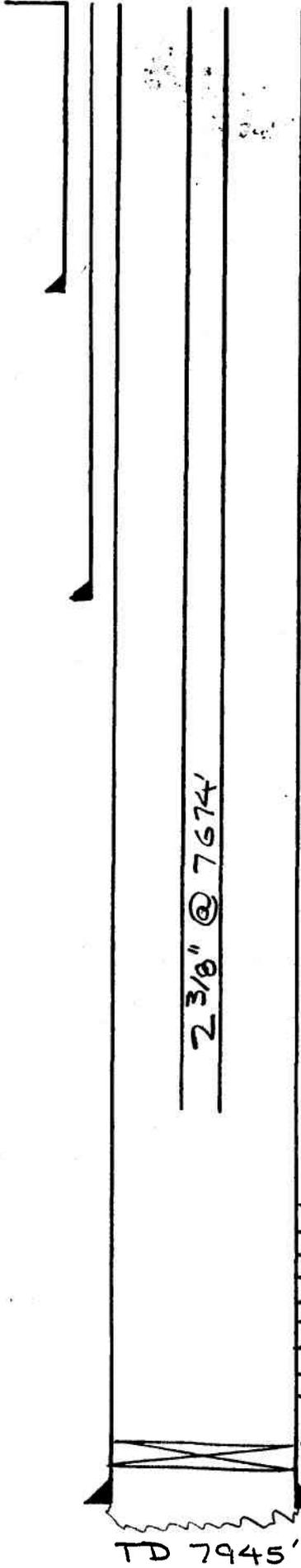
1. Move in workover rig and rig up. Kill well and install BOP's. Pick up tubing and tag bottom. Spot sufficient sand to cover to 7680 feet.
2. Pull out of hole and rig up wireline truck. Perforate at the following:

7414-7419'	5 Holes	1JSPF
7445-7449'	4 Holes	1JSPF
7452-7457'	5 Holes	1JSPF
7514-7517'	3 Holes	1JSPF
3. Pick up a retrieval bridge plug and packer. Run in hole and set bridge plug at 7350 feet. Pressure test casing to 7000 psig.
4. Using the bridge plug and packer, selectively breakdown the intervals 7514'-7517', 7445'-7457', and 7414-7419 feet. Acidize each interval with 250 gallons, 500 gallons, and 250 gallons of 15% HCl respectively using ball sealers on 7445'-7457 feet. Additives for the acid are inhibitor, clay stabilizer, iron sequestering agent, and a non-ionic surfactant. Flow well back and test.
5. Pull tools out of hole and fracture down casing with a foam frac. Procedure will be provided at a later date. Flow back and clean up well.
6. Run tubing with bailer and clean out to PBD. Pull tubing, lay down tools and run in hole to 7420 feet. Place well into production.

ARCO STATE #36-7

CURRENT DOWNHOLE CONDITIONS

Elevation: 8290 G.L. 8303' K.B.  
TD: 7945'



10 3/4" @ 315' w/ 335 SKS.

7 5/8" @ 3940' w/ 435 SKS.

2 3/8" @ 7674

- 7703'
- 7706'
- 7726'
- 7729'
- 7761'
- 7766'
- 7769'
- 7800'
- 7807'

ACIDIZED W/ 500 GAL 7 1/2% HCl  
FOAM FRACED W/ 50,000 #20-40SN  
IN 64,000 GAL 2% KCl WATER  
75% QUALITY.

PBTD 7868'

5" SET AT 7942' WITH 225 SX

TD 7945'

NO WELL INFO

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

SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

15

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RENVR.  Other recompletion

2. NAME OF OPERATOR  
Birch Corporation

3. ADDRESS OF OPERATOR  
3801 East Florida Ave. Suite 900 Denver, CO 80210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 540 FSL 1550 FEL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-019-31162 DATE ISSUED 6-18-84

5. LEASE DESIGNATION AND SERIAL NO.

MI-22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Arco State

9. WELL NO.

No. 36-7

10. FIELD AND POOL, OR WILDCAT

East Canyon

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA

Sec 36 T15½S R24E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) | 18. ELEVATIONS (DP, REB, RT, GR, ETC.)\* | 19. ELEV. CASINGHEAD

1-7-88

8290 GL 8303 KB

20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL. HOW MANY\* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS

7945

7868

2

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* | 25. WAS DIRECTIONAL SURVEY MADE

Morrison: 7514-7517  
Cedar Mt.: 7414-7419, 7445-7449, 7452-7457.

no

26. TYPE ELECTRIC AND OTHER LOGS RUN | 27. WAS WELL CORED

GR-CC

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	40.5	315 KB	14-3/4	335 SX	
7-3/4	26.4	3940 KB	9-7/8	335 SX	
5	18.0	7942 KB	6-3/4	225 SX	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	7391.55	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7414-7419	5 holes		see attachment
7445-7449	4 holes		
7452-7457	6 holes (7769,7800 pre-existing)		
7514-7517	3 holes (7807 pre-existing)		
(7703,7706, 7726, 7729,7761, 7766 Pre-existing)			

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)		
<u>1-7-88</u>		<u>flowing</u>				<u>producing</u>		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
<u>1-7-88</u>	<u>24</u>	<u>sales line</u>	<u>→</u>	<u>0</u>	<u>442</u>	<u>0</u>	<u>na</u>	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
<u>320</u>	<u>na</u>	<u>→</u>	<u>0</u>	<u>442</u>	<u>0</u>	<u>na</u>		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | TEST WITNESSED BY

sold

Mesa Pipeline

35. LIST OF ATTACHMENTS

attachments enclosed

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Operations Manager DATE 4/14/88

\*(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 38, 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 33. 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<b>37. SUMMARY OF POROUS ZONES:</b> SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			
<b>38. GEOLOGIC MARKERS</b>			
NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Mesaverde	1518		
Buck Tongue	3313		
Castlegate	3623		
Mancos	3830		
Mancos "B"	4386		
Base of "B"	5128		
Frontier	6978		
Dakota Silt	7238		
Dakota Group	7282		
Cedar Mt.	7405		
Morrison	7496		
Salt Wash	7750		

## DRILLING REPORT

Arco State #36-7  
Sec. 36 T15-1/2S-R24E  
Grand County, Utah

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12-17-87 - Preparing to move in rig.

12-18-87 - Move in and rig up rig. Move in BOP's and frac tank. Fill flat tank with 130 B H2O + 3% KCL & L-55 clay stabilizer while blowing well down. Strip off well head and install BOP's. Well flowing small amount of gas. Change 2 3/8" ram blocks in BOP. Pick up 5 joints tubing. Install TIW valve in tubing. Close pipe rams. SDFN. Casing left flowing to pit. TIW valve and pipe ram leaking this a.m. Well still flowing to pit.

DC: \$2897  
CC: \$2897

12-19-87 - Pull out of hole with 2 3/8" tbg. Pulled 115 stands w/ nipple totaling 7650.42. Tbg was landed at 7659. Pumped 20 Bbls of 3% Kcl water & pumped 1500# 20/40 sd down casing followed by 10 Bbls of Kcl water. Rig up Dyno-Jet and run a Gamma-Ray collar correlation log from 7550-6900. Perforate following intervals: 7414' to 7419 - 5 holes. 7445-7449 4 holes; 7452-7457 6 holes; 7514-7517 3 holes. Used 3 1/8" csg gun & premium charges. Run a 4.151" gauge ring from surface to 7500. Road level at 6850. Shut blind rams and lead csg to pit. SDFN. Well dead this a.m. Plan to pressure test csg to 6000 psig and break down perms w/ 1000 gallons of Kcl.

DC: \$4657  
CC: \$7554

12-20-87 - Well dead. Pick up Mt States lock set type retrievable BP and pkr. Run in holes & set BP 7399.84. Unlatch from BP and pull 1 std. Load hole w/ 3% Kcl water & pressure to 3000 psig. Ck for leaks & door on. BOP leaking. Change O ring indoor & retest csg to 3000 psig for 10 min. Csg held o.k. Pick up 1 std & run in hole. Latch on to BP. Unable to release or move BP. Work w/ plug for 2 hrs, made no headway. Pull 25,000 over string weight & could not get BP to equalize. Unlatch from BP and pull out of hole. Lay down pkr and start in hole. SDFN. Checked fluid level this a.m. and found it at 800'.

DC: \$2541  
CC: \$10,095

Arco State #36-7  
 Sec. 36 T15 1/2S-R24E  
 Grand County, Utah

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12-21-87 - Check fluid level and found at 800' with 35 stds in hole. Swab one run. Pull 2 3/8" tubing and stand back. Truck w/ drill dollars slid into ditch. PU 2 3/8" N-80 work string and run 103 jts. POOH and pick up fishing tools. BHA consists of Red head, X-over, bumper, lsub, jars, 4-3 1/8" DC, intensifier, 2-3 1/8" DC, X-over, and 2 3/8" N-80 tubing. Tag fish at 7399.84' and try to work free with no success. Bumped down with right hand torque and jarred up. No apparent movement. Pulled a 20,000# upstrain & SDFN.

DC: \$5075  
 CC: \$15,170

12-22-87 - Jar down and rotate pipe. Move BP down 1'. Jar BP up for 60'. Pulled free. Pulled 360', pulling 20,000# over string weight. Bridge plug hung, jarred free, pulled out of hole. LD jars, dc's, P21 packer. TIH. Set packer @ 7254'. Drop 200# 100 mesh sand down tubing followed by 5 Bbls Kcl water. SDFN.

DC: \$4043  
 CC: \$19213

12-23-87 - RU Dowell & pump 2 1/2 Bbls Kcl water. Tbg pressure 5500 psig. Tbg was plugged or frozen. Open by-pass on pkr & circulate the plug w/ Kcl water. Set pek, breakdown perf w/ 1700 psig. Pump 1000 gal of 15 Kcl acid w/ 500 standard cubic feet of nitrogen. Drop 50 ball sealers. Pumped acid 5 Bbls/min. 3910 psig. Displace acid w/ 14 bbls of Kcl water and 500 standard cubic feet of nitrogen per bbl. Ball off perf at 6000 psig. Blow down tbg and let balls fall to bottom. Displace remaining acid w/ 18 bbls Kcl water w/ 500 standard cubic feet of nitrogen per bbl. ISIP - 1750. 5 min 1500#. 10 min 1450#. 15 min 1400#. RU & flow well back. Well died in 10 min. RU to swab, fluid at 1000', swab 30 Bbls. Tbg drop. Released pkr. SDFN.

DC: \$6794  
 CC: \$26,009

Arco State #36-7  
Sec. 36 T15 1/2S-R24E  
Grand County, Utah

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12-24-87 - Shut down due to weather. Clear snow from road. Weather too bad to work. Towed a hot oil truck from location and moved a D-8 from plant to the location. Shut down.

DC: \$1885  
CC: \$27,894

12-25-87 - Shut down for storm. Check roads to location. Road closed due to 3-5 ft snow drifts. Weather: Snow and blowing snow. Winds: 25-35 mph. Shut down.

DC: \$475  
CC: \$28,369

12-26-87 - Rig shut down for Xmas. Unable to get to equipment on 12-25-87. Roads closed up East Canyon. This a.m. trying to clear roads. Some drifts in excess of 6 ft. Weather clear, snow crusted, and wind blowing slightly.

DC:  
CC:

12-27-87 - No report

12-28-87 - Prepare to frac. Finish trip in hole, tag sand at 7696'. Pull 10 stds and land tubing @ 6991'. Pull 10 stds and land tubing at 6991' with blast joint across casing valve. Install wellhead on top of BOP's. Tow frac trucks to location. SDFN.

DC: \$2387  
CC: \$32,901

12-29-87 - Unable to get N2 trucks to location. 1 pump truck blew motor. 2 air products N2 transports stuck approx 23 mi from location. Shut-down to get equip to location.

DC: \$4925  
CC: \$37,906

Arco State #36-7  
 Sec. 36 T15 1/2S-R24E  
 Grand County, Utah

-----  
 12-30-87 - Present operations: flowing well back after frac. Choke size: 24/64". TP 130. CP 640. Comments: making fluid - no gas flare. Remarks: RU Dowell. Blow well dry w/ N2. Install tree saver, frac down csg & tbg. 62,00 gal 70Q foam, 15,000# 100 mesh sand, 54,500# 20/40 sand. Pump to 25 BPM, Max CP 3936. Avg 3350, Final 3936. Max TP 6531. Avg 6100, Final 6531. ISIP 2750, 5 min 2300, 10 min 2250, 15 min 2200. RD Dowell. RU to flow back. SITP 3680. SICP 2030. Open well on 16/64" choke at 3:30 pm. Fracture Details:

Volume	Fluid	Sand Concentration	Total Rate	Avg TP	Avg CP
5,000	70Q Foam	Pad	25	6000	3200
10,000	70Q Foam	1/2 ppg 100 mesh	25	6140	3510
10,000	70Q Foam	1 ppg 100 mesh	25	6380	2900
6,000	70Q Foam	1/2 ppg 20/40	25	6360	3380
8,000	70Q Foam	1 ppg 20/40	25	6350	3350
10,000	70Q Foam	1 1/2 ppg 20/40	25	6300	3250
8,000	70Q Foam	2 ppg 20/40	25	6300	3250
5,000	70Q Foam	2 1/2 ppg 20/40	25	6300	3250
5052	70Q Foam	Flush	25	6300	3250

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 67,052 15,000# 100 Mesh 54,500# 20/40 mesh  
 461 bbl gelled water 1,800,000 scf N2  
 Max TP 6531 psig. Avg TP 6100 psig. Final TP 6531 psig.  
 ISIP Casing 2750 psig, 5 min 2300 psig, 10 min 2250 psig.  
 15 min 2200 psig.

Time	TP	CP	Choke	Time	TP	CP	Choke
3:30 pm	3680	2030	16/64	1:30 am	550	850	16/64
4:30	1750	2000	16/64	2:30	500	800	16/64
5:30	1350	1830	16/64	3:30	450	750	24/64
6:30	1150	1580	16/64	4:30	324	700	24/64
7:30	1050	1440	16/64	5:30	250	650	24/64
8:30	950	1240	16/64	6:30	200	600	24/64
9:30	875	1100	16/64	7:30	180	620	24/64
10:30	725	1000	16/64	8:30	140	680	24/64
11:30	650	975	16/64	9:30	140	700	24/64
12:30	600	925	16/64				

Well making no noticeable sand. Flowing gas and water. Flowing about a 1/2" stream of water. Total load fluid to 627 bbl including about 166 bbls previously lost. Recovered approximately 266 bbls. Load left to recover 361 bbls. Gas will not burn.

12-31-87 - Present operations: Flow well to clean up after frac. TP 47#. CP 230#. 24/64" choke. Gas nearly burns. Producing 1 1/2 - 2 bbls water/hr. Drilling fluid: Total lost to date: 627 bbls.

San Arroyo Unit #36-7

-----  
 Swabbed today: 100 bbls. Total swabbed: 366 bbls. Left to recover: 261 bbls.

7:30 am	180	620	24/64
8:30	140	680	
9:30	140	700	
10:30	138	730	16/64 & changed gauge
	70	730	New gauge pressures
11:30	68	765	
12:30	90	800	
1:30	90	820	
2:00	Opened up wide		
2:30	0	830	
3:30	0	540	Flowing & unloading water
4:30	0	340	Put on 24/64" choke. Left flowing.

This a.m. FTP 47 psig. SICP 230 psig. 24/64" choke. Calc rate: 198 MCF. Gas will burn intermittently. Producing 1 1/2 - 2 bbls water per hour. Recovered an estimated 300 bbl water. Approximately 261 bbls load to recover.

DC: \$2060  
 CC: \$87,536

1-1-88 - Present operations: Pull out of hole with bailer. Type of fluid in hole: 3% KCl water. Remarks: Flow to clean up after frac. At 7:00 a.m. 12/31/87, well flowing on 24/64" choke at 47 psig TP, 230 psig CP. Calculated flow rate 198 MCFD. Burns intermittently. 8:00 a.m. 20 psig TP. 280 psig CP. 9:00 a.m. 23 psig TP. 290 psig CP. Blow down well, remove tree & POOH. Pick up sand bailer & trip in hole. Tag fill at 7609'. Clean out to 7630. Bailer not working properly. Pick up 30 ft and let set 5 min. Tagged fill at 7612'. Bailer not working. POOH w/ 66 stds tbq. SDFN.

DC: \$1677  
 CC: \$89,213

1-2-88 - Present operations: Mix KCL water & pull out of hole. Finish POOH w/ bailer, recovered 30' of hard frac sand & 1 bbl water. Change out bailer and check values. Trip in hole. Tag fill @ 7612'. Bail hard sand to 7706'. Well blew in and started blowing water out casing. Flow well to pit. thaw out flat tank and let well blow down. POOH with 60 stds. SDFN. Plan to pull out, clean out bailer, rerun and clean out well.

DC: \$1781  
 CC: \$90,994

1-3-88 - Present operations: Cleaning out. Remarks: Finish trip out, clean out bailer, recover 100' sand. RIH and tag at 7668'. Pump 15 bbls 13% KCl water & clean out to 7695'. Pump 15 bbls KCl water & clean out 7764'. Ran out of water, frozen up. Pull bailer to 7020'. SDFN.

San Arroyo Unit #36-7

DC: \$1677  
CC: \$92,671

1-4-88 - Present operations: TIH with bailer. Remarks: Heat 130 bbls water. Thaw out flat tank and KCl water. Run in hole with 10 stds of tbg. Tag fill 7748'. Pump 15 bbls KCl water. Attempt to clean out sand w/ no progress. Rig up power swivel, drill and bail w/ no progress. Pull out of hole. Recovered 600' water in tbg and 320' sand. Notched collar on bottom of bailer was worn smooth. Run in hole w/ bailer, 3 7/8" bit on the bottom and 30 stands of tbg. SDFN.

DC: \$3634  
CC: \$96,305

1-5-88 - Present operations: Prep to clean well out w/ nitrogen. Remarks: Finish TIH. Tag fill @ 7748'. Rig up power swivel. Pump 36 bbls KCl water. Drill & bailer for 2 hrs, no progress. Rig down swivel and pull out of hole. Had 3' hard packed sand in bottom of bailer. TIH w/ notched collar on end of tbg. Leave tbg at 6200'. SDFN.

DC: \$4331  
CC: \$100,636

1-6-88 - Present operations: Clean out well w/ nitrogen. Remarks: Clear road up East Canyon. Attempt to pull N2 truck to location w/ motor grader & 4-wheel drive loader. Unable to get up East Canyon. Moved D-8 to East Canyon & pulled truck w/ loader & D8. RU to circ well and SDFN.

DC: \$1850  
CC: \$102,546

1-7-88 - Present operations: Move rig & equipment off location. Remarks: Flow fluid from well w/ N2. TIH w/ 23 stds 2 3/8" tbg. Tag @ 7748'. Install stripper head, circ w/ N2 in attempt to clean out casing. Rotate and reciprocate type with no progress. SD N2 - truck out of N2. RD Dowell, PU tbg and remove stripper head. Lower tbg to tag fill. Tbg went down to 7769'. Note: same depth as fill on 1/3/88. Lay down 12 jts of tbg and land 7391.55'. ND BOP's, NU wellhead, RD rig & SDFN. 690# on tbg and csg.

DC: \$9053  
CC: \$111,599

Arco State #36-7  
 Sec. 36 T15 1/2S-R24E  
 Grand County, Utah

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1-8-88 - Present Operations: Move off rig & equipment. TP  
 680#. CP 680#. Left 8 jts tbg on location. Final Report.

PRODUCTION REPORT

Date	Diff	Static	Volume	Tubing	Hrs Prod.	Remarks
1-7	4.4	3.9	.442	320	24	Increased Vol. Today
1-8	5.2	4.0	.520	310	24	
1-9	5.3	4.0	.500	300	24	
1-10	5.0	4.0	.460	295	24	
1-11	5.0	4.0	.460	295	24	
1-12	4.9	4.0	.450	300	24	
1-13	4.9	4.0	.450	300	24	Unloaded small amount water
1-14	7.5	4.0	.635	410	24	
1-15	7.5	3.9	.630	380	24	
1-16	7.8	4.0	.699	320	24	
1-17	2.1	4.2	.130	300 csg 180 tbg	24	
1-18	2.0	4.2	.124	340 csg 180 tbg	24	
1-19	Shut in					
1-20	3.0	4.4	.320	380 csg 200 tbg	18	
1-21	1.5	4.4	.162	380 csg 190 tbg		
1-22	Shut in					Blew well to unload
1-23	3.2	4.3	.310	380 csg 220 tbg		
1-24	2.0	4.2	.124	340 csg 180 tbg	24	
1-25	1.5	4.2	.108	320 csg 180 tbg	24	Blew well
1-26	2.5	4.2	.120	340 csg 185 tbg		

## San Arroyo Unit #36-7

<u>Date</u>	<u>Diff.</u>	<u>Static</u>	<u>Volume</u>	<u>Pressure</u>	<u>Hrs Prod.</u>	<u>Remarks</u>
1-28	1.8	5.3	.141	520 csg 280 tbg	24	
2-2	2.5	4.8	.167	520 csg 285 tbg	24	
2-3	1.3	4.4	.084	510 csg 220 tbg	24	
2-4						
2-5	1.7	4.5	.113	500 tbg 220 csg	24	
2-6	1.6	4.5	.110	500 tbg 210 csg	24	
2-7	1.5	5.3	.117	620 csg 480 tbg	16	
2-8	1.4	4.8	.099	530 csg 310 tbg	20	
2-9	1.7	4.8	.111	280 csg 500 csg	24	
2-10	1.5	4.8	.108	480 csg 220 tbg	24	

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 a well or to alter a reservoir.  
Use "APPLICATION FOR PERMIT—" for such purposes.)

3. LEASE DESIGNATION AND SERIAL NO.  
ML-22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Arco State

9. WELL NO.  
No. 36-7

10. FIELD AND POOL, OR WILDCAT  
East Canyon

11. SEC., T., R., M., OR S.E.C. AND SURVEY OR AREA  
Sec 36 T15½S R24E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

RECEIVED  
APR 18 1988  
DIVISION OF OIL GAS & MINING

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Birch Corporation

3. ADDRESS OF OPERATOR  
3801 East Florida Ave Suite 900 Denver, CO 80210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
540 FSL 1550 FEL

14. API NUMBER  
43 019 31162

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
8290 GL 8303 KB

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 checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <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.)\*

This well was recompleted according to the attached procedure. The recompletion began 12-18-87 and finished 1-7-88.

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

SIGNED Tony Amis TITLE Operations Manager DATE 4/14/88

(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

(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 Graham Royalty, Ltd.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1675 Larimer Street, Suite 400, Denver, Colorado 80202		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		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether DV, ST, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
16. DIVISION OF OIL, GAS & MINING		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH 13. STATE

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MAY 01 1989

18. 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>Change of Operator</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.)\*

Effective April 1, 1989 Graham Royalty, Ltd. took over as operator from Birch Corporation on various wells in the San Arroyo Field.  
The attached Exhibit shows a list of wells and their location.

18. I hereby certify that the foregoing is true and correct  
SIGNED Wilbur L. Cover TITLE Vice President DATE April 25, 1989  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

San Arroyo	1	Entrada Unit	SE NW Sec. 26-16S-25E	Grand Co., UT
San Arroyo	2	Entrada Unit	SE NW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	3	Entrada Unit	SE NW Sec. 23-16S-25E	Grand Co., UT
San Arroyo	5	Entrada Unit	NW SE Sec. 25-16S-25E	Grand Co., UT
San Arroyo	6	Entrada Unit	SW NE Sec. 21-16S-25E	Grand Co., UT
San Arroyo	40	Entrada Unit	NW NE Sec. 27-16S-25E	Grand Co., UT

San Arroyo	4	Dakota Unit	SE SW Sec. 30-16S-26E	Grand Co., UT
San Arroyo	8	Dakota Unit	SW SW Sec. 16-16S-25E	Grand Co., UT
San Arroyo	9	Dakota Unit	NW NE Sec. 27-16S-25E	Grand Co., UT
San Arroyo	11	Dakota Unit	NE SW Sec. 15-16S-25E	Grand Co., UT
San Arroyo	12	Dakota Unit	SW SW Sec. 23-16S-25E	Grand Co., UT
San Arroyo	13	Dakota Unit	NE SW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	16	Dakota Unit	SE SW Sec. 26-16S-25E	Grand Co., UT
San Arroyo	17	Dakota Unit	NE NE Sec. 24-16S-25E	Grand Co., UT
San Arroyo	18	Dakota Unit	NW NW Sec. 30-16S-26E	Grand Co., UT
San Arroyo	19	Dakota Unit	SW SE Sec. 14-16S-25E	Grand Co., UT
San Arroyo	20	Dakota Unit	SE NE Sec. 26-16S-25E	Grand Co., UT
San Arroyo	21	Dakota Unit	NW SE Sec. 25-16S-25E	Grand Co., UT
San Arroyo	22	Dakota Unit	NE NE Sec. 15-16S-25E	Grand Co., UT
San Arroyo	24	Dakota Unit	SE NW Sec. 19-16S-25E	Grand Co., UT
San Arroyo	25	Dakota Unit	SW NE Sec. 21-16S-25E	Grand Co., UT
San Arroyo	26	Dakota Unit	SW SW Sec. 20-16S-26E	Grand Co., UT
San Arroyo	27	Dakota Unit	NE SW Sec. 29-16S-26E	Grand Co., UT
San Arroyo	28	Dakota Unit	NW NE Sec. 29-16S-26E	Grand Co., UT
San Arroyo	29	Dakota Unit	NE NE Sec. 22-16S-26E	Grand Co., UT
San Arroyo	30	Dakota Unit	NW SW Sec. 21-16S-26E	Grand Co., UT
San Arroyo	31	Dakota Unit	NW NW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	32	Dakota Unit	SW SW Sec. 14-16S-25E	Grand Co., UT
San Arroyo	33	Dakota Unit	SW SW Sec. 25-16S-25E	Grand Co., UT
San Arroyo	35	Dakota Unit	SE SW Sec. 24-16S-25E	Grand Co., UT
San Arroyo	36A	Dakota Unit	SE SE Sec. 19-16S-26E	Grand Co., UT
San Arroyo	37	Dakota Unit	SW NE Sec. 20-16S-26E	Grand Co., UT
San Arroyo	38	Dakota Unit	SW NE Sec. 16-16S-25E	Grand Co., UT

Arco Fed. 27-1			NW SW Sec. 27-16S-25E	Grand Co., UT
Arco State 2-1			NW SW Sec. 2-16S-24E	Grand Co., UT
Arco State 2-2			NW SW Sec. 2-16S-24E	Grand Co., UT
Arco State 36-7			NW SW Sec. 36-15S-24E	Grand Co., UT
Arco State 36-8			NW SW Sec. 36-15S-24E	Grand Co., UT
Federal 174-1			SE SW Sec. 11-16S-25E	Grand Co., UT
Bittercreek #1			SE SW Sec. 2-16S-25E	Grand Co., UT
Black Horse 31-1			SE SW Sec. 31-15S-24E	Uintah Co., UT
Fed. Gilbert #1			SE SW Sec. 31-15S-24E	Grand Co., UT

↙ per Jackie Cannon from Buch, Graham Royalty does not own  
 this well. JS 5/15/89

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Department of Natural Resources, Division of State Lands & Forestry, holder of lease, ML 22208 :

and hereby designates

NAME: Graham Royalty, Ltd.  
ADDRESS: 1675 Larimer Street, Suite 400  
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Division of State Lands & Forestry or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (describe acreage to which this designation is applicable):

TOWNSHIP 15½ SOUTH - RANGE 24 EAST, S.L.M.

SECTION 36: ALL *ARLW STATE 36-7*  
*API # 43-019-31162*  
TOWNSHIP 16 SOUTH - RANGE 24 EAST, S.L.M.

SECTION 2: ALL  
GRAND COUNTY, UTAH

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands & Forestry or his representative.

The lessee agrees promptly to notify the Division of State Lands & Forestry of any change in the designated operator.

Prudential-Bache Energy Growth Fund L.P. G-1  
Prudential-Bache Energy Growth Fund L.P. G-2

By: Graham Royalty, Ltd., General Partner

By:

*T. J. Burnett, Jr.*  
\_\_\_\_\_  
(Signature of Lessee)

T. J. Burnett, Jr.

Senior Vice President - Land  
109 Northpark Blvd.

Covington, Louisiana 70433

\_\_\_\_\_  
(Address)

May 24, 1989  
(Date)

June 6, 1989

**RECEIVED**  
JUN 08 1989

State of Utah  
Natural Resources  
Oil & Gas Program  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Attention: Ms. Tammy Searing

Dear Ms. Searing

Per telephone conversation this date we would like to split the wells shown on the monthly Oil & Gas Production Report turn-around document.

We would like entity numbers; 00500, 00505, 00515, 00520, 08340, 08341, and 09710, to be included on a separate report and mailed to our agent for these wells: Natural Gas Gathering Company of Texas, 12700 Northborough, Suite 100, Houston, TX 77067.

All other wells shown on our monthly report should continue to be mailed to: Graham Royalty, Ltd., 1675 Larimer Street, Suite 400, Denver, Colorado 80202.

If you should have any questions, please advise.

Sincerely,

*C. C. Robbins*

C. C. Robbins  
Reg. Affairs Supervisor

CCR/ng



June 6, 1989

**RECEIVED**  
JUN 08 1989

State of Utah  
Natural Resources  
Oil & Gas Program  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Attention: Ms. Tammy Searing

Dear Ms. Searing

Per telephone conversation this date we would like to split the wells shown on the monthly Oil & Gas Production Report turn-around document.

We would like entity numbers; 00500, 00505, 00515, 00520, 08340, 08341, and 09710, to be included on a separate report and mailed to our agent for these wells: Natural Gas Gathering Company of Texas, 12700 Northborough, Suite 100, Houston, TX 77067.

All other wells shown on our monthly report should continue to be mailed to: Graham Royalty, Ltd., 1675 Larimer Street, Suite 400, Denver, Colorado 80202.

If you should have any questions, please advise.

Sincerely,

*C. C. Robbins*

C. C. Robbins  
Reg. Affairs Supervisor

CCR/ng

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MAR 12 1990

STATE OF UTAH

BOARD AND DIVISION OF OIL, GAS AND MINING

DIVISION OF  
OIL, GAS & MINING

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or other extraction plant operator or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah, hereby appoint

Northstar Gas Company, Inc.

256 E. North Sam Houston Parkway, Suite 250  
(Address)

Houston, Texas 77060

(his, her or its) designated agent to accept and to be served with notices from the Board and Division Director or Authorized Agent in accordance with the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation of agent is filed in accordance with the statute and/or rules.

Effective Date of Designation March 1, 1990

Company Graham Royalty, Ltd. Phone (303) 629-1736

Address 1675 Larimer Street, Suite 400

Denver, Colorado 80202

By Wilbur L. Dover  
(Signature) Wilbur L. Dover

Title Vice President/Division Manager

NORTHSTAR GAS COMPANY

256 E. North Sam Houston Parkway, Suite 250, Houston, Texas 77060  
(713) 820-6886

RECEIVED  
APR 09 1990  
FAX: (713) 820-6885

April 5, 1990

Utah Natural Resources  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

To Whom It May Concern:

Northstar Gas Company is the new operating agent for Graham Royalty, Ltd. Please make any corrections necessary so we may receive our correspondence from your agency. The new information is as follows:

Northstar Gas Company  
256 E. North Sam Houston Parkway, Suite 250  
Houston, Texas 77060  
713-820-6886

Thank you.

Sincerely,

*Paul A. Bernard, Jr. / LR*  
Paul A. Bernard, Jr.  
Controller

NORTHSTAR GAS COMPANY

PAB/lr  
Enclosures

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O NORTHSTAR GAS CO INC  
GRAHAM ROYALTY LTD  
15000 NW FREEWAY STE 203  
HOUSTON TX 77040

UTAH ACCOUNT NUMBER: N0505

REPORT PERIOD (MONTH/YEAR): 6 / 93

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
SAN ARROYO 6								
✓4301915889	00505	16S 25E 21	ENRD	U-025244				
SAN ARROYO 1								
✓4301916532	00505	16S 25E 26	ENRD	U-071307				
SAN ARROYO UNIT #40								
✓4301931250	00505	16S 25E 27	ENRD	U-0370-A				
BITTER CREEK #1								
✓4301930047	00515	16S 25E 2	DK-MR	ML-25151				
ARCO-STATE 2-1								
✓4301930240	00520	16S 24E 2	DKTA	ML-22208				
ARCO-STATE 2-2								
✓4301930241	00520	16S 24E 2	DKTA	ML-22208				
FEDERAL 174 #1								
✓4301915884	08340	16S 25E 11	DKTA	U-0126528	"CA NW-115"			
FEDERAL GILBERT #1								
✓4301911089	08341	16S 25E 11	ENRD	U-0126528	" <del>CA NW-115</del> "	Btm/moab NAPRV eff. 1-10-94		
FEDERAL 31-1								
✓4301730765	08345	15S 24E 31	DKTA	U-14234	Btm/Vernal NAPRV eff. 1-10-94			
ARCO STATE 36-7								
✓4301931162	09710	15S 24E 36	CM-MR	ML-22208				
ARCO STATE #36-8								
✓4301931192	09710	15S 24E 36	DK-MR	ML-22208				
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_

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

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_



**GRL**



PRODUCTION SERVICES CO.

Denver District

**RECEIVED**

JUL 16 1993

DIVISION OF  
OIL, GAS & MINING

July 14, 1993

State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

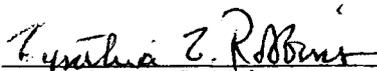
Attn: Ms. Lisha Cordova

Dear Ms. Cordova,

Effective August 1, 1993 we would like to change our operator name from Graham Royalty, Ltd. to Graham Energy, Ltd. Per our conversation this date it should be a simple change as no bond changes are required.

Attached is a list of the wells affected. Thank you.

Sincerely,

  
\_\_\_\_\_  
Cynthia C. Robbins  
Regulatory Affairs Supervisor

CC: Ken McKinney

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

Well File \_\_\_\_\_  
\_\_\_\_\_  
(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_  
(API No.) \_\_\_\_\_

Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

Other  
*Operator Change*  
\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: 7-19-93 - Time: 3:00

2. DOGM Employee (name) L. Cordova (Initiated Call )  
Talked to:

Name Cynthia Robbins (Initiated Call ) - Phone No. (303) 629-1736  
of (Company/Organization) Graham

3. Topic of Conversation: Confirm address for Graham Energy LTD.

4. Highlights of Conversation:

Agent "Northstar Gas Co. Inc." is to remain the same as is Houston  
mailing address. Change address for Graham Energy LTD from  
LA to TX. (updated 7-22-93)

\* 931116 - Linda Goldsby "Graham" referred to Btm (S.Y.)

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

**Well File** \_\_\_\_\_  
\_\_\_\_\_  
(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_  
(API No.) \_\_\_\_\_

**Suspense**  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

**Other**  
*Operator Change*  
\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: 12-9-93 Time: 3:00

2. DOGM Employee (name) P. Cordova (Initiated Call   
Talked to:  
Name Ken McKinney (Initiated Call  - Phone No. (504) 893-8391  
of (Company/Organization) Graham Royalty / Graham Energy

3. Topic of Conversation: Oper. nm. chg. "Graham Royalty to Graham Energy"

4. Highlights of Conversation: \_\_\_\_\_  
Add'l info. required by Btals. L. "San Arroyo Unit", also Graham  
Energy has sold the wells to Northstar Gas Co. Inc. Documentation  
will follow.

\* Northstar Gas Co. Inc. / Paul Bernard (713) 937-4314  
Mailing Documentation ASAP.

Bureau of Land Management  
Branch of Fluid Minerals (UT-922)  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

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DEC 30 1993

DIVISION OF  
OIL, GAS & MINING

December 29, 1993

Graham Energy, Ltd.  
P.O. Box 3134  
Covington, Louisiana 70434-3134

RE: San Arroyo Unit  
Grand County, Utah

Gentlemen:

On December 27, 1993, we received an indenture whereby Graham Royalty, Ltd. resigned as Unit Operator and Graham Energy, Ltd. was designated as Successor Unit Operator for the San Arroyo Unit, Grand County, Utah.

The instrument is hereby approved effective December 29, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the San Arroyo Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 1845 will be used to cover all operations within the San Arroyo Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/S/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)  
Division of Oil, Gas & Mining  
Division of Lands and Mineral Operations U-942  
File - San Arroyo Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891003859A		SAN ARROYO DK MO							
891003859A	✓430191589200s1	11	NESW	15	16S	25E	PGW	UTU05059C	GRAHAM ROYALTY LIMITED
891003859A	✓430191589300s1	12	SWSW	23	16S	25E	PGW	UTSL071307	GRAHAM ROYALTY LIMITED
891003859A	✓430191589400s1	13	NESW	22	16S	25E	GSI	UTU0370A	GRAHAM ROYALTY LIMITED
<del>891003859A</del>	<del>430191589500x1</del>	<del>14</del>	<del>SWNE</del>	<del>16</del>	<del>16S</del>	<del>25E</del>	<del>ABB</del>	<del>STATE</del>	<del>GRAHAM ROYALTY LIMITED</del>
891003859A	✓430191109100s1	15	NESW	21	16S	25E	TA	UTU0136529	GRAHAM ROYALTY LIMITED
891003859A	✓430191589600s1	16	SESW	26	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430191589700s1	17	NENE	24	16S	25E	PGW	UTU025243	GRAHAM ROYALTY LIMITED
891003859A	✓430191589800s1	18	NWNW	30	16S	26E	GSI	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430191589900s1	19	SWSE	14	16S	25E	PGW	UTU05011B	GRAHAM ROYALTY LIMITED
891003859A	✓430191590000s1	20	SENE	26	16S	25E	PGW	UTSL071307	GRAHAM ROYALTY LIMITED
891003859A	✓430191590100s1	21	NWSE	25	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430191590200s1	22	NENE	15	16S	25E	PGW	UTU05011A	GRAHAM ROYALTY LIMITED
891003859A	✓430191590300s1	24	SENW	19	16S	26E	PGW	UTU06188	GRAHAM ROYALTY LIMITED
891003859A	✓430191590400s1	25	SWNE	21	16S	25E	PGW	UTU0136529	GRAHAM ROYALTY LIMITED
891003859A	✓430191590500s1	26	SWSW	20	16S	26E	PGW	UTU025297	GRAHAM ROYALTY LIMITED
891003859A	✓430191590600s1	27	NESW	29	16S	26E	PGW	UTU06021	GRAHAM ROYALTY LIMITED
891003859A	✓430191590700s1	28	NWNE	29	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430191590800s1	29	NENE	22	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859A	✓430191590900s1	30	NWSW	21	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430193052700s1	31	NWNW	22	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859A	✓430193052800s1	32	SWSW	14	16S	25E	PGW	UTU05011B	GRAHAM ROYALTY LIMITED
891003859A	✓430193060800s1	33	SWSW	25	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430191109000s1	35	SESW	24	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430193125100s1	36-A	SESE	19	16S	26E	PGW	UTU06188	GRAHAM ROYALTY LIMITED
891003859A	✓430193125200s1	37	SWNE	20	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430193125300s1	38	NESW	16	16S	25E	PGW	STATE	GRAHAM ROYALTY LIMITED
891003859A	✓430191588700s1	4	SESW	30	16S	26E	PGW	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193128900s1	41	NENE	36	16S	25E	PGW	STATE	GRAHAM ROYALTY LIMITED
891003859A	✓430193129000s1	42	NESE	30	16S	26E	PGW	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193129100s1	43	NESE	29	16S	26E	PGW	UTU06021	GRAHAM ROYALTY LIMITED
891003859A	✓430193130100s1	44	SENE	30	16S	26E	PGW	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193129900s1	45	NWSE	20	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430193131800s1	47	NENE	31	16S	26E	PGW	U06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193131600s1	49	NENW	29	16S	26E	PGW	UTU025245	GRAHAM ROYALTY LIMITED
891003859A	✓430191589000s1	8	SWSW	16	16S	25E	PGW	STATE	GRAHAM ROYALTY LIMITED
891003859A	✓430191589100s1	9	NWNE	27	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
** INSPECTION ITEM 891003859B		SAN ARROYO EN							
891003859B	✓430191653200s1	1	SENW	26	16S	25E	PGW	UTSL071307	GRAHAM ROYALTY LIMITED
891003859B	✓430191588500s1	2	SENW	22	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859B	✓430191588600s1	3	SENW	23	16S	25E	GSI	UTU0369	GRAHAM ROYALTY LIMITED
891003859B	✓430193125000s1	40	NWNE	27	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859B	✓430191588800s1	5	NWSE	25	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859B	✓430191588900s1	6	SWNE	21	16S	25E	PGW	UTU0136529	GRAHAM ROYALTY LIMITED

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC	7-SJ	✓
2-DTS	8-FILE	✓
3-VLC		✓
4-RJF		✓
5-PLC		✓
6-FL		✓

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 DATE: 8-1-93)

TO (new operator)	<u>GRAHAM ENERGY LTD</u>	FROM (former operator)	<u>GRAHAM ROYALTY LTD</u>
(address)	<u>C/O NORTHSTAR GAS CO INC</u>	(address)	<u>C/O NORTHSTAR GAS CO INC</u>
	<u>15000 NW FREEWAY STE 203</u>		<u>15000 NW FREEWAY STE 203</u>
	<u>HOUSTON, TX 77040</u>		<u>HOUSTON, TX 77040</u>
	phone <u>(713) 937-4314</u>		phone <u>(713) 937-4314</u>
	account no. <u>N 7590</u>		account no. <u>N0505(A)</u>

Well(s) (attach additional page if needed):

**\*SAN ARROYO UNIT, NW-115, ETC.**

Name <b>**SEE ATTACHED**</b>	API: <u>019-31162</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Cleard 7-16-93
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). Iba Graham Royalty, LTD, Graham Energy, LTD and Graham Resources Inc.
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #100783.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-10-94)
- See 6. Cardex file has been updated for each well listed above. (1-10-94)
- See 7. Well file labels have been updated for each well listed above. (1-10-94)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-10-94)
- See 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

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) \* 50,000 Surety "St. Paul Fire and Marine Ins. Co"; No chg. necessary, no Fee wells currently associated with bond.

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- See 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.   
 OCS 1-12-94
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 10 1994.

FILING

- ✓ 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 have been filed in the Operator Change file.

COMMENTS

940107 Bfm/S.Y. Approved C.A. NW-115 and San Arroyo Unit eff. 12-29-93.

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

6. Lease Designation and Serial Number

ML-222208

7. Indian Allottee or Tribe Name

**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-- for such proposals

8. Unit or Communitization Agreement

1. Type of Well

- Oil Well       Gas Well       Other (specify)

9. Well Name and Number

SEE BELOW

2. Name of Operator

NORTHSTAR GAS COMPANY INC.

10. API Well Number

SEE BELOW

3. Address of Operator 15000 NORTHWEST FWY, SUITE 203  
HOUSTON TX 77040

4. Telephone Number

713-937-4314

11. Field and Pool, or Wildcat

5. Location of Well

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

County : GRAND  
State : UTAH

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____  |   |

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment *                              | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                    | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                             | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>CHANGE OF OPERATOR</u> |   |

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.

13. 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.)

NORTHSTAR GAS COMPANY INC. TOOK OVER AS OPERATOR FROM GRAHAM ROYALTY LTD. ON 09-01-93 WITH THE EFFECTIVE DATE OF SALE 09-01-93.

Well Name	API #	Location
ARCO STATE 2-1	4301930240	16S 24E 2
ARCO STATE 2-2	4301930241	16S 24E 2
ARCO STATE 36-7	4301931162	15S 24E 36
ARCO STATE 36-8	4301931192	15S 24E 36

JAN 14 1994  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

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

Name & Signature

PAUL BERNARD

Title

SEC/TREAS

Date

12-20-93

(State Use Only)

\*Rec'd 4-11-94

429639

Entry No. 429639  
Recorded 10-22-93 2 36 PM  
Bk 457 Pg. 83 Fee 80.00  
96  
Mellane Masher  
Recorder of Grand County

**S. E. U. T. CO.**  
Accommodation Recording  
Not Examined

**ASSIGNMENT, BILL OF SALE  
AND CONVEYANCE**

This Assignment, Bill of Sale and Conveyance ("Assignment"), is from each of Prudential-Bache Energy Growth Fund, L.P. G-1 and Prudential-Bache Energy Growth Fund, L.P. G-2, each a Delaware limited partnership and acting herein through their general partner, Graham Energy, Ltd. (collectively, "Assignor"), to Northstar Gas Company, Inc. ("Assignee"). Assignor has an address of 109 Northpark Boulevard, Covington, Louisiana 70433, and Assignee has an address of 15000 Northwest Freeway, Suite 203, Houston, Texas 77040.

For, and in consideration of Ten Dollars (\$10.00) cash and other good and valuable consideration in hand paid, the receipt and adequacy of which are hereby acknowledged, each Assignor does hereby, severally, and not jointly, Bargain, Sell, Transfer, Set Over, Grant, Assign, Convey and Deliver unto Assignee, all of such Assignor's right, title, interest and estate in and to the oil and gas properties described on Exhibit "A" (the "Oil and Gas Properties"). The Oil and Gas Properties shall include all mineral interests, working interests, overriding interests, reversionary interests, net profits interests, net revenue interests and any other interest of any kind without warranty of title either express or implied, to the extent they are owned and may be conveyed by Sellers.

The Oil and Gas Properties shall include, to the extent each Assignor may lawfully assign same, all of such Assignor's rights, title, interest and estate in and to the property and rights incident, and to the extent attributable, to the Oil and Gas Properties, the lands covered thereby or utilized therewith, including, without limitation, (i) all presently existing pooling or unitization agreements and the units created thereby, and all units formed by virtue of orders issued by applicable State regulatory agencies, (ii) all presently existing operating agreements and all other contracts, agreements and records, (iii) all personal property, easements, permits, surface leases, servitudes and rights-of-way situated upon or used in connection with the production, treating, storing or transportation of oil, gas or other hydrocarbons or minerals.

TO HAVE AND TO HOLD the Oil and Gas Properties unto Assignee and its successors and assigns forever.

NOTWITHSTANDING ANY PROVISION IN THIS ASSIGNMENT OR ANY DOCUMENT DELIVERED IN CONNECTION HEREWITH TO THE CONTRARY, THE OIL AND GAS PROPERTIES AND ANY OTHER PROPERTY OR RIGHTS CONVEYED HEREUNDER ARE CONVEYED "AS IS," "WHERE IS," "WITH ALL FAULTS," AND IN THEIR PRESENT CONDITION AND STATE OF REPAIR, AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING WARRANTY OF TITLE OR ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR CONFORMITY TO MODELS OR SAMPLES OR AS TO ANY CLAIM BY ASSIGNEE FOR DAMAGES BECAUSE OF DEFECTS, WHETHER KNOWN OR UNKNOWN, OR ANY OTHER SORT OF WARRANTY. ASSIGNEE HAS INSPECTED, OR HAS HAD THE OPPORTUNITY TO INSPECT, THE OIL AND

**GAS PROPERTIES AND PREMISES FOR ALL PURPOSES, INCLUDING WITHOUT LIMITATION FOR THE PURPOSE OF DETERMINING THE PRESENCE OF ENVIRONMENTAL CONDITIONS, OF DETECTING THE PRESENCE OF NATURALLY OCCURRING RADIOACTIVE MATERIAL "(NORM)" AND MAN-MADE MATERIAL FIBERS "(MMMF)" AND HAS SATISFIED ITSELF AS TO THEIR PHYSICAL AND ENVIRONMENTAL CONDITIONS, BOTH SURFACE AND SUBSURFACE. ASSIGNEE ACCEPTS ALL OF THE SAME IN THEIR "AS IS," "WHERE IS," CONDITION, AND EACH ASSIGNOR EXPRESSLY DISCLAIMS ANY LIABILITY ARISING IN CONNECTION WITH ANY PRESENCE OR ENVIRONMENTAL CONDITIONS, NORM OR MMMF ON THE OIL AND GAS PROPERTIES.**

From and after the Effective Time, Assignee hereby agrees to assume, be bound by and subject to each Assignor's express and implied covenants, rights, obligations and liabilities with respect to the Oil and Gas Properties, and Assignee's interest in the Oil and Gas Properties shall bear its proportionate share of royalty interests, overriding royalty interests and other payments out of or measured by production from and after the Effective Time.

This Assignment is made expressly subject to all existing overriding royalties or other burdens affecting the Oil and Gas Properties as listed on Exhibit "A."

Assignee and its permitted successors and assigns shall preserve and maintain all lease, contract and title files, well logs, well files, division orders and related files, title documentation, correspondence and other data and records in the possession of Assignor pertaining to the Oil and Gas Properties (the "Records") for a period of two (2) years from the date of acknowledgement of this Assignment, during such period shall afford Assignor and its duly authorized representatives access at all reasonable times during normal business hours to all Records as Assignor shall request in order to defend against, oppose or otherwise investigate any claims or potential claims against Assignor arising as a result of any acts, events or operations prior to the date of acknowledgement of this Assignment or as a result of this Assignment, and shall make any conveyance or transfer of the Oil and Gas Properties specifically subject to the obligations of this paragraph.

Notwithstanding any other provision herein to the contrary, this Assignment is made with full substitution and subrogation of Assignee in and to all covenants and warranties by others heretofore given or made to Assignors in respect of the Oil and Gas Properties or any part thereof.

The provisions hereof shall be covenants running with the land and shall be binding upon and inure to the benefit of the parties hereto, their respective successors and assigns.

In the event two or more Oil and Gas Properties cover the same land (e.g., an oil and gas leasehold interest included within the Oil and Gas Properties may cover the same land as a mineral, royalty or overriding interest included within the Oil and Gas Properties), no merger of title shall occur, and each of the Oil and Gas Properties covering the same land is conveyed and shall be owned by Assignee as a separate and distinct property.

Separate assignments of certain of the Oil and Gas Properties may be executed on officially approved forms by Assignor to Assignee in sufficient counterparts to satisfy applicable statutory and regulatory requirements. Those assignments shall be deemed to contain all of the exceptions, reservations, rights, titles, power and privileges set forth herein as fully as though they were set forth in each such assignment. The interests conveyed by such separate assignments are the same, and not in addition to, the Oil and Gas Properties conveyed herein.

The parties agree to take all such further actions and execute, acknowledge and deliver all such further documents that are necessary or useful in carrying out the purposes of this Assignment. Assignor agrees to execute, acknowledge and deliver to Assignee all such other additional instruments, notices, division orders, transfer orders and other documents and to do all such other and further acts and things as may be necessary to more fully and effectively grant, convey and assign to Assignee the Oil and Gas Properties conveyed hereby or intended so to be.

This Assignment may be executed in any number of counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one assignment.

References in this Assignment and in Exhibit "A," to contracts, agreements or instruments shall not be deemed to create any rights in favor of any third party.

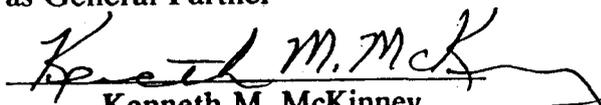
Assignee joins in the execution hereof for the purpose of being bound by all the terms, provisions, obligations and covenants herein specified.

IN WITNESS WHEREOF, this instrument is signed and executed in multiple counterparts as of the date (s) set forth on the acknowledgements hereto, but, shall be effective for all purposes as of 7:00 o'clock A.M., local time, September 1, 1993 (the "Effective Time").

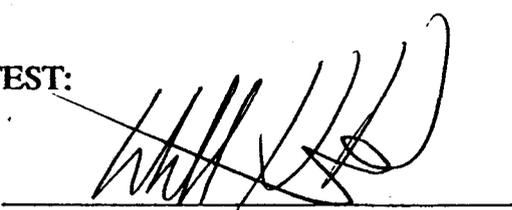
ASSIGNORS:

PRUDENTIAL-BACHE ENERGY  
GROWTH FUND, L.P. G-1

By: Graham Energy, Ltd.,  
as General Partner

By:   
Kenneth M. McKinney  
Vice President

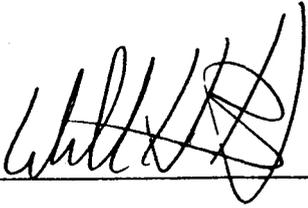
ATTEST:

By: 

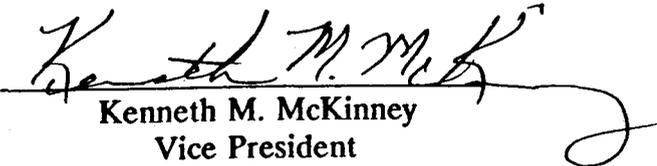
[SEAL]

PRUDENTIAL-BACHE ENERGY  
GROWTH FUND, L.P. G-2

ATTEST:

By: 

By: Graham Energy, Ltd., as  
General Partner

By:   
Kenneth M. McKinney  
Vice President

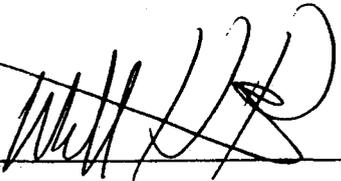
[SEAL]

WITNESSES TO ASSIGNORS'  
SIGNATURES:

Mina E. Merc

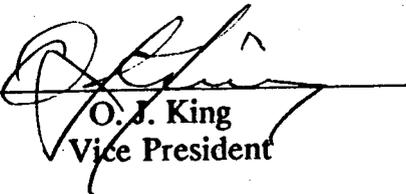
Belinda J. Metz

ATTEST:

By: 

ASSIGNEE:

NORTHSTAR GAS COMPANY, INC.

By:   
O. J. King  
Vice President

[SEAL]

WITNESSES TO ASSIGNEE'S  
SIGNATURE:

Mina E. Merc

Belinda J. Metz

STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>R</sup> day of October, 1993, before me, the undersigned Notary, personally appeared Kenneth M. McKinney, who acknowledged that he is the Vice President of Graham Energy, Ltd., the general partner of Prudential-Bache Energy Growth Fund, L.P. G-1, a Delaware limited partnership, and that as President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation as general partner of Prudential-Bache Energy Growth Fund, L.P. G-1.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.

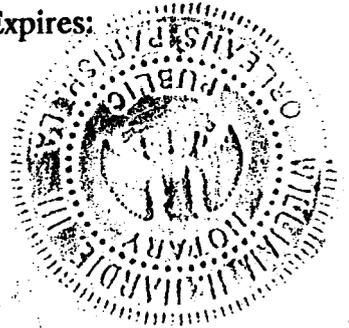


NOTARY PUBLIC

My Commission Expires:

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]

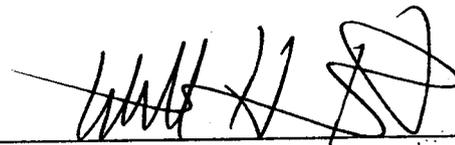


STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared Kenneth M. McKinney, who acknowledged that he is the Vice President of Graham Energy, Ltd., the general partner of Prudential-Bache Energy Growth Fund, L.P. G-2, a Delaware limited partnership, and that as President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation as general partner of Prudential-Bache Energy Growth Fund, L.P. G-2.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.

  
\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires

WILLIAM H. HARDIE, II  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]



STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared O. J. King, who acknowledged that he is the Vice President of Northstar Gas Company, Inc., a Texas corporation, and that as Vice President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.



NOTARY PUBLIC

My Commission Expires:

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]



**EXHIBIT "A"**  
**ATTACHED TO ASSIGNMENT,**  
**BILL OF SALE AND CONVEYANCE**  
**PART I**  
**LANDS AND LEASES**  
**ALL IN GRAND COUNTY, UTAH UNLESS OTHERWISE SPECIFIED**

<b>Lease Serial Number</b>	<b>Lessor</b>	<b>Lessee</b>	<b>Description of Lands</b>	<b>Book</b>	<b>Page</b>	<b>Lease Date</b>	<b>Associated Properties</b>
ML-22208 (1038)	State of Utah	Atlantic Richfield Company	T15 1/2S, R24E, S1M Sec. 36: All T16S, R24E, S1M Sec. 2: All	220	177	9-28-64	ARCO State 2-1, 2-2, 36-7, 36-8
U-29645 (1174)	U.S.A.	Atlantic Richfield Company	T16S, R25E, S1M Sec. 27: SW/4, S/2 SE/4 Sec. 34: NE/4, NE/4 NW/4, NE/4 SE/4			5-1-75	ARCO 27-1 Valentine Fed #2 ARCO Fed D-1
ML-25151 (191-1)	State of Utah	Sinclair Oil & Gas Company	T16S, R25E, S1M Section 2: All	163	390	3-7-68	Bittercreek #1
J-0126528 (174-1)	U.S.A.	James F. Gilbert	T16S, R25E, S1M Sec. 11: N/2, N/2 SW/4, SE/4 SW/4, SE/4 Sec. 12: S/2			12-1-63	Federal Gilbert #1 Federal 174-1 ARCO Fed H-1
U-0141420 (180-1)	U.S.A.	Sinclair Oil Company	T16S, R25E, S1M Sec. 11: SW/4 SW/4			8-1-64	Federal 174-1
ML-4113 (44-1)	State of Utah	Lois A. Aubrey	T16S, R25E, S1M Sec. 16: All	6-Q	207	1-2-52	San Arroyo Unit Area
U-05011-A (45-2)	U.S.A.	Pierce T. Norton	T16S, R25E, S1M Sec. 14: NW/4, SE/4 SE/4, N/2 SE/4, NE/4 SW/4 Sec. 15: NE/4			9-1-51 *4-1-55	Tenneco Fed 14-2 San Arroyo Unit Area

Lease Segregated Effective

**EXHIBIT "A"**  
**PART I**

<b>Lease Serial Number</b>	<b>Lessor</b>	<b>Lessee</b>	<b>Description of Lands</b>	<b>Book</b>	<b>Page</b>	<b>Lease Date</b>	<b>Associated Properties</b>
U-0369 (46-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 23: N/2 Sec. 24: W/2, SE/4, S/2 NE/4 Sec. 25: All Sec. 26: N/2 S/2, SE/4 SW/4, S/2 SE/4			2-1-51	San Arroyo Unit Area
SL-071307 (47-1)	U.S.A.	James E. Croudace	T16S, R25E, SLM Sec. 23: S/2 Sec. 26: N/2			12-1-50	San Arroyo Unit Area
U-0370-A (48-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 21: E/2 NE/4, NE/4 SE/4 Sec. 22: All Sec. 27: NE/4, NE/4 NW/4, NE/4 SE/4			2-1-51 *6-1-55	San Arroyo Unit Area
U-05059-A (49-2)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: NW/4 SW/4, E/2 NW/4, SW/4 NW/4			10-1-51 *9-19-61	San Arroyo Unit Area
U-06021 (51-1)	U.S.A.	Fred A. Moore	T16S, R26E, SLM Sec. 29: S/2, S/2 NW/4, NW/4 NW/4			2-1-52	San Arroyo Unit Area
U-06023 (52-1)	U.S.A.	Adiel E. Stewart	T16S, R26E, SLM Sec. 30: All Sec. 31: N/2 N/2			2-1-52	San Arroyo Unit Area
U-06188 (53-1)	U.S.A.	C. M. Rood	T16S, R26E, SLM Sec. 19: SW/4, S/2 NW/4, W/2 SE/4, SE/4 SE/4			*3-1-52	San Arroyo Unit Area

Lease Segregated Effective

**EXHIBIT "A"**  
**PART I**

<b>Lease Serial Number</b>	<b>Lessor</b>	<b>Lessee</b>	<b>Description of Lands</b>	<b>Book</b>	<b>Page</b>	<b>Lease Date</b>	<b>Associated Properties</b>
U-05011-B (56-1)	U.S.A.	Pierce T. Norton	T16S, R25E, S1M Sec. 14: SW/4 SE/4, W/2 SW/4, SE/4 SW/4 Sec. 15: SE/4			9-1-51 *2-1-57	San Arroyo Unit Area
U-05059-C (57-1)	U.S.A.	L. J. Batchelor	T16S, R25E, S1M Sec. 15: E/2 SW/4, SW/4 SW/4			*3-1-57	San Arroyo Unit Area
U-025243 (60-1)	U.S.A.	Clair D. Jones	T16S, R25E, S1M Sec. 24: W/2 NE/4			*8-27-57	San Arroyo Unit Area
U-025245 (61-1)	U.S.A.	Fred A. Moore	T16S, R26E, S1M Sec. 29: NE/4 NW/4			2-1-52 *9-1-57	San Arroyo Unit Area
U-025297 (64-2)	U.S.A.	C. M. Rood	T16S, R26E, S1M Sec. 19: W/2 W/2 S/2 NE/4, NE/4 SE/4 Sec. 20: W/2			3-1-52	San Arroyo Unit Area
J-06188-B (74-1)	U.S.A.	Sinclair Oil Corporation	T16S, R25E, S1M Sec. 35: W/2			3-1-52	San Arroyo Unit Area
U-05059-F (134-1)	U.S.A.	L. J. Batchelor	T16S, R25E, S1M Sec. 15: NW/4 NW/4			10-1-51 *9-19-61	San Arroyo Unit Area
U-025243-A (139-1)	U.S.A.	Clair D. Jones	T16S, R25E, S1M Sec. 26: SW/4 SW/4			2-1-51 *1-1-61	San Arroyo Unit Area
U-05650 (176-1)	U.S.A.	Virginia E. Lewis	T16S, R26E, S1M Sec. 21: Lots 2, 3, 4, W/2 W/2 Sec. 20: E/2 Sec. 28: Lots 1, 2, 3, 4 W/2 W/2 Sec. 29: NE/4			12-1-51	San Arroyo Unit Area

**Lease Segregated Effective**

**EXHIBIT "A"**  
**PART I**

<b>Lease Serial Number</b>	<b>Lessor</b>	<b>Lessee</b>	<b>Description of Lands</b>	<b>Book</b>	<b>Page</b>	<b>Lease Date</b>	<b>Associated Properties</b>
U-0136529 (4000-1)	U.S.A.	Clair D. Jones	T16S, R25E, S1M Sec. 21: W/2 NE/4, E/2 NW/4, W/2 SE/4, SE/4 SE/4, NE/4 SW/4, Sec. 27: W/2 NW/4, SE/4 NW/4, NW/4 SE/4 Sec. 28: NE/4 NE/4			2-1-51 *1-22-64	San Arroyo Unit Area
U-05650-A (177-1)	U.S.A.	Virginia E. Lewis	T16S, R26E, S1M Sec. 21: Lot 1			12-1-51 *10-1-61	San Arroyo Unit Area
U-9831 (949)	U.S.A.	Williams H. Short, Jr. and Franklin Knobel	T16S, R25E, S1M INSOFAR AND ONLY INSOFAR as said lease covers: Sec. 6: All			10-10-69	ARCO Fed B-1
U-14234	U.S.A.	Arthur E. Meinhart	T15S, R24E, S1M Sec. 30: All Sec. 31: All Uintah Co., UT			4-1-71	Black Horse Canyon Federal 31-1

**Lease Segregated Effective**

**EXHIBIT A**  
**Attached to Assignment,**  
**Bill of Sale and Conveyance**

**Part II**

**[OMITTED]**

EXHIBIT A  
ATTACHED TO ASSIGNMENT, BILL OF SALE AND CONVEYANCE  
PART III  
CONTRACTS AND AGREEMENTS

**PROPERTY  
REFERENCE**

- |  |  |
|--|--|
| San Arroyo<br>Unit Area                                | 1. Unit Agreement for the Development and Operation of the San Arroyo Unit Area, dated June 11, 1956.  |
| San Arroyo<br>Unit Area                                | 2. Unit Operating Agreement for the San Arroyo Unit Area, dated August 16, 1961.   |
| Valentine<br>Fed #2                                    | 3. Communitization Agreement covering the W $\frac{1}{2}$ of Section 34, T16S-R25E.  |
| ARCO<br>Fed. D-1                                       | 4. Communitization Agreement covering the E $\frac{1}{2}$ of Section 34, T16S-R25E.  |
| Fed. 174-1   | 5. Communitization Agreement, dated March 3, 1965 covering the W $\frac{1}{2}$ Section 11, T16S-R25E.  |
| Tenneco<br>Fed. 14-2                                   | 6. Communitization Agreement dated January 1, 1980, covering the N $\frac{1}{2}$ of Section 14, T16S-R25E.   |
| Tenneco<br>Fed. 14-2                                   | 7. Operating Agreement dated June 5, 1980, designating Tenneco Oil Company as Operator and covering the N $\frac{1}{2}$ of Section 14, T16S-R25E.  |
| ARCO<br>Fed. H-1<br>Fed. D-1                           | 8. Farmout Agreement and Operating Agreement dated August 16, 1982, between ARCO Oil & Gas Company and TXO Production Corp., covering the S $\frac{1}{2}$ Section 12, T16S-R25E.   |
| San Arroyo<br>Unit Area                                | 9. Farmout Agreement dated June 6, 1955 by and between H. W. Dougherty and Sinclair Oil and Gas Company, covering lands in sections 21, 22, 23, 24, 25, 26 and 27, T16S-R25E.  |
| ARCO<br>Fed. B-1,<br>Fed. C-1;<br>Valentine<br>Fed. #2 | 10. Farmout Agreement and Operating Agreement between ARCO Oil and Gas Company and Texas Oil and Gas Corp., dated September 30, 1979, covering all of Sections 6 and 34 and the N $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{2}$ NE $\frac{1}{4}$ and S $\frac{1}{2}$ N $\frac{1}{2}$ of Section 35, T16S-R25E. |

EXHIBIT "A"  
 ATTACHED TO ANE MADE A PART OF THE  
 ASSIGNMENT, BILL OF SALE AND CONVEYANCE  
 PART IV  
 INTEREST IN PROPERTIES AND WELLS

PROPERTY NAME	COUNTY	STATE	OPERATOR	WORKING INTEREST DECIMAL	NET REVENUE INTEREST DECIMAL	OVERRIDING ROYALTY INTEREST DECIMAL
ARCO STATE #2-1	GRAND	UTAH	URI	1.00000000	0.87500000	
ARCO STATE #2-2	GRAND	UTAH	URI	1.00000000	0.87500000	
ARCO STATE #36-7	GRAND	UTAH	URI	1.00000000	0.87500000	
ARCO STATE #36-8	GRAND	UTAH	URI	1.00000000	0.87500000	
ARCO STATE #27-1	GRAND	UTAH	URI	1.00000000	0.87500000	
VALENTINE FED, #2	GRAND	UTAH	LONE MIN.	0.04375000	0.03828120	
FEDERAL 174 #1	GRAND	UTAH	URI	1.00000000	0.84875000	
BITTERCREEK #1	GRAND	UTAH	URI	1.00000000	0.87500000	
ARCO FEDERAL #B-1	GRAND	UTAH	LONE MIN.	0.00000000	0.00000000	0.12500000
ARCO FEDERAL #C-1	GRAND	UTAH	LONE MIN.	0.50000000	0.42000000	
ARCO FEDERAL #D-1	GRAND	UTAH	LONE MIN.	0.21875000	0.19140620	
ARCO FEDERAL #I-1	GRAND	UTAH	LONE MIN.	0.00000000	0.00000000	0.06250000
TENNECO FED. #14-2	GRAND	UTAH	LONE MIN.	0.50000000	0.41250000	
GILBERT FEDERAL #1	GRAND	UTAH	URI	1.00000000	0.84500000	

SAN ARROYO UNIT AREA  
 ENTRADA PARTICIPATING AREA

SAN ARROYO #1	GRAND	UTAH	URI	1.00000000	0.82500000
SAN ARROYO #2	GRAND	UTAH	URI	1.00000000	0.82500000
SAN ARROYO #3	GRAND	UTAH	URI	1.00000000	0.82500000
SAN ARROYO #5	GRAND	UTAH	URI	1.00000000	0.82500000
SAN ARROYO #6	GRAND	UTAH	URI	1.00000000	0.82500000
SAN ARROYO #40U	GRAND	UTAH	URI	1.00000000	0.82500000
SAN ARROYO #40L	GRAND	UTAH	URI	1.00000000	0.82500000

San Arroyo Wells ARE SUBJECT TO A NET PROFITS INTEREST CREATED BY AND SUBJECT TO THAT CERTAIN FARMOUT AGREEMENT DATED JUNE 6, 1955.



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC 7-SJ	<input checked="" type="checkbox"/>
2-OPS 8-FILE	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJH	<input checked="" type="checkbox"/>
5-IEC	<input checked="" type="checkbox"/>
6-PL	<input checked="" type="checkbox"/>

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 DATE: 9-1-93)

TO (new operator) <u>NORTHSTAR GAS COMPANY INC</u>	FROM (former operator) <u>GRAHAM ENERGY LTD</u>
(address) <u>820 GRESSNER #1630</u>	(address) <u>15000 NW FREEWAY STE 203</u>
<u>HOUSTON TX 77024</u>	<u>HOUSTON TX 77040</u>
<u>PAUL BERNARD</u>	<u>C/O NORTHSTAR GAS CO INC</u>
phone <u>(713) 935-9542</u>	phone <u>(713) 937-4314</u>
account no. <u>N 6680</u>	account no. <u>N 7590</u>

Well(s) (attach additional page if needed): **\*CA NW-115**

Name: <u>*FEDERAL 174 #1/DKTA</u>	API: <u>43-019-15884</u>	Entity: <u>8340</u>	Sec <u>11</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U012652</u>
Name: <u>BITTER CREEK 1/CDMTN</u>	API: <u>43-019-30047</u>	Entity: <u>00515</u>	Sec <u>2</u> Twp <u>16SRng25E</u>	Lease Type: <u>ML25151</u>
Name: <u>ARCO-STATE 2-1/DKTA</u>	API: <u>43-019-30240</u>	Entity: <u>00520</u>	Sec <u>2</u> Twp <u>16SRng24E</u>	Lease Type: <u>ML22208</u>
Name: <u>ARCO-STATE 2-2/DKTA</u>	API: <u>43-019-30241</u>	Entity: <u>00520</u>	Sec <u>2</u> Twp <u>16SRng24E</u>	Lease Type: <u>ML22208</u>
Name: <u>ARCO STATE 36-7/CM-MR</u>	API: <u>43-019-31162</u>	Entity: <u>09710</u>	Sec <u>36</u> Twp <u>15SRng24E</u>	Lease Type: <u>ML22208</u>
Name: <u>ARCO STATE 36-8/DK-MR</u>	API: <u>43-019-31192</u>	Entity: <u>09710</u>	Sec <u>36</u> Twp <u>15SRng24E</u>	Lease Type: <u>ML22208</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Reg. 1-14-94) (Reg. 3-28-94) (Reold Assgn. Bill of Sale 4-11-94)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 1-14-94)*
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #144214.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(4-11-94)*
- Sec 6. Cardex file has been updated for each well listed above. *(4-11-94)*
- Sec 7. Well file labels have been updated for each well listed above. *(4-11-94)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-11-94)*
- Sec 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

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY SEE DIV 3-10

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*4/14/94 to Ed Bonner*

FILMING

- 1. All attachments to this form have been microfilmed. Date: 4-19 1994.

FILING

- 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 have been filed in the Operator Change file.

COMMENTS

*940328 B/m/S.Y. Apprv. eff. 3-23-94.*

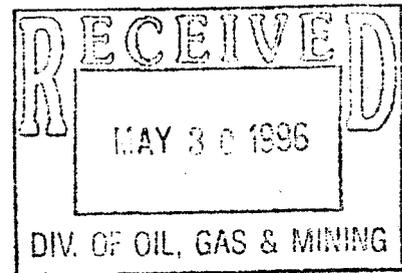


600 Central Park Two / 515 Central Park Drive / Oklahoma City, OK 73105  
Post Office Box 24300 / Oklahoma City, Oklahoma 73124-0300  
405 525-7788 / FAX 405 557-5258

May 21, 1996

Ms. Lisha Cordova  
State of Utah  
Department of Oil, Gas & Mining  
Salt Lake City, Utah 84111-2303

Re: Acquisition of Producing Properties  
and Operatorship from Northstar Resources  
Grand and Uintah Counties, Utah



Dear Ms. Cordova:

Enogex Exploration Corporation acquired the working interest and operatorship of certain properties in Grand and Uintah Counties, Utah from Northstar Resources, Inc. effective 5/1/96. In this regard we enclose the following for the records:

1. Original Sundry Notices filed in triplicate for each of the wells on the three leases where the State of Utah owns the mineral rights.
2. Three copies each of the Sundry Notices for the 1 Gilbert and the 27-1 which has been approved by the BLM.
3. A copy of the Resignation of Unit Operator and Designation of Successor Unit Operator for the San Arroyo Unit along with approval of same by the BLM.
4. A copy of the Successor Operator of Communitization Agreement NW-115 along with approval of same by the BLM.
5. A list of the wells and locations which Enogex Exploration Corporation acquired from Northstar Resources and will be operating.

Please be advised we provided our State of Utah Blanket Bond in the amount of \$80,000 with our letter dated April 16, 1996, to the School & Institutional Trust Lands Administration

If any thing further is needed, please contact the undersigned at 405 557-5281.

Sincerely,

A handwritten signature in cursive script that reads "Claudine Gilliam". The signature is written in black ink and is positioned above the printed name and title.

Claudine Gilliam  
Senior Landman

WELL LISTING FOR ACQUISITION FROM NORTHSTAR RESOURCES, INC.  
EFFECTIVE 3/1/96

	WELL NAME	DESCRIPTION	SEC.	TWN	RGE	COUNTY	STATE
1	BLACKHORSE FEDERAL #31-1	E/2 SW/4	31	15S	24E	UINTAH	UTAH
2	ARCO STATE #2-1	SE/4	2	16S	24E	GRAND	UTAH
3	ARCO STATE #2-2	NW/4	2	16S	24E	GRAND	UTAH
4	ARCO STATE #36-7	SE/4	36	15 1/2S	24E	GRAND	UTAH
5	ARCO STATE #36-8	SW/4	36	15 1/2S	24E	GRAND	UTAH
6	ARCO STATE #27-1	SW/4	27	16S	25E	GRAND	UTAH
7	FEDERAL 174 #1	SW/4	11	16S	25E	GRAND	UTAH
8	BITTERCREEK #1	S/2 S/2	2	16S	25E	GRAND	UTAH
9	SAN ARROYO #1	S/2 N/2	26	16S	25E	GRAND	UTAH
10	SAN ARROYO #2 (Non-Producing)	S/2 N/2	22	16S	25E	GRAND	UTAH
11	SAN ARROYO #3	NW/4	23	16S	25E	GRAND	UTAH
12	SAN ARROYO #40	NE/4 NE/4	27	16S	25E	GRAND	UTAH
13	SAN ARROYO #5	SE/4	25	16S	25E	GRAND	UTAH
14	SAN ARROYO #6	SW/4 NE/4	21	16S	25E	GRAND	UTAH
15	SAN ARROYO #4	SW/4	30	16S	26E	GRAND	UTAH
16	SAN ARROYO #8	SW/4	16	16S	25E	GRAND	UTAH
17	SAN ARROYO #9	SW/4 NE/4	27	16S	25E	GRAND	UTAH
18	SAN ARROYO #11	SW/4	15	16S	25E	GRAND	UTAH
19	SAN ARROYO #12	SW/4	23	16S	25E	GRAND	UTAH
20	SAN ARROYO #13	SW/4	22	16S	25E	GRAND	UTAH
21	SAN ARROYO #16	SW/4	26	16S	25E	GRAND	UTAH
22	SAN ARROYO #17	NE/4	24	16S	25E	GRAND	UTAH
23	SAN ARROYO #18	NW/4 NW/4	30	16S	26E	GRAND	UTAH
24	SAN ARROYO #19	SE/4	14	16S	25E	GRAND	UTAH
25	SAN ARROYO #20	NE/4	26	16S	25E	GRAND	UTAH
26	SAN ARROYO #21	SE/4	25	16S	25E	GRAND	UTAH
27	SAN ARROYO #22	NE/4	15	16S	25E	GRAND	UTAH
28	SAN ARROYO #24	NW/4	19	16S	26E	GRAND	UTAH
29	SAN ARROYO #25	NE/4	21	16S	25E	GRAND	UTAH
30	SAN ARROYO #26	SW/4	20	16S	26E	GRAND	UTAH
31	SAN ARROYO #27	SW/4	29	16S	26E	GRAND	UTAH
32	SAN ARROYO #28	NE/4	29	16S	26E	GRAND	UTAH
33	SAN ARROYO #29	NE/4	22	16S	25E	GRAND	UTAH
34	SAN ARROYO #30	W/2	21	16S	26E	GRAND	UTAH
35	SAN ARROYO #31	NW/4 NW/4	22	16S	25E	GRAND	UTAH
36	SAN ARROYO #32 (Non-Producing)	SW/4	14	16S	25E	GRAND	UTAH
37	SAN ARROYO #33	SW/4	25	16S	25E	GRAND	UTAH
38	SAN ARROYO #35	SW/4	24	16S	25E	GRAND	UTAH
39	SAN ARROYO #36A	SE/4	19	16S	26E	GRAND	UTAH
40	SAN ARROYO #37	NE/4	20	16S	26E	GRAND	UTAH
41	SAN ARROYO #38	N/2	16	16S	25E	GRAND	UTAH
42	GILBERT FEDERAL #1(Non-Producing)	W/2 NE/4	11	16S	25E	GRAND	UTAH

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
ML-22208

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:  
Arco State 36-7

9. API Well Number:  
43-019-31162

10. Field and Pool, or Wildcat:

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.

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
ENOGEX EXPLORATION CORPORATION

3. Address and Telephone Number:  
P.O. Box 24300, Oklahoma City, OK 73124-0300 405 557-5281

4. Location of Well  
Footages:  
County: Grand  
State: Utah  
QQ, Sec., T., R., M.: SE/4 Section 36-15 1/2 S-24E

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

Abandon  New Construction  
 Repair Casing  Pull or Alter Casing  
 Change of Plans  Recomplete  
 Convert to Injection  Reperforate  
 Fracture Treat or Acidize  Vent or Flare  
 Multiple Completion  Water Shut-Off  
 Other \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

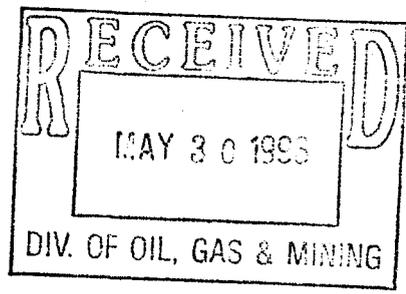
**SUBSEQUENT REPORT**  
(Submit Original Form Only)

Abandon  New Construction  
 Repair Casing  Pull or Alter Casing  
 Change of Plans  Reperforate  
 Convert to Injection  Vent or Flare  
 Fracture Treat or Acidize  Water Shut-Off  
 Other Change of Operator

Date of work completion 5/1/96

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT 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.)



13. Name & Signature: Claudine Gilliam Title: Senior Landman Date: 5/20/96  
 Claudine Gilliam

(This space for State use only)

**NORTH STAR GAS COMPANY**

**M E M O**

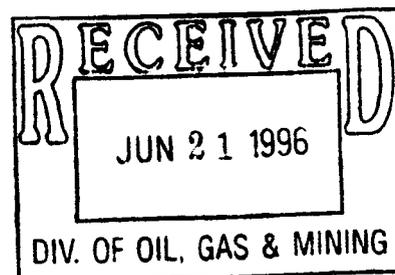
**DATE:** June 19, 1996

**TO:** Lisha Cordova

**FROM:** Harry Dean

**SUBJECT:** Sundry Notices

Please find enclosed Sundry Notices for the Arco State wells 2-1,2-2,36-7,36-8 and the Bitter Creek # 1. If you should require additional information, please let me know.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
ML-22208

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. If Indian, Allottee or Tribe Name:

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.

7. Unit Agreement Name:

1. Type of Well: OIL  GAS  OTHER:

8. Well Name and Number:  
ARCO STATE 36-7

2. Name of Operator:  
NORTHSTAR GAS COMPANY, INC.

9. API Well Number:  
43-019-31162

3. Address and Telephone Number:  
830 Gessner, Suite 1630, Houston, TX 77024; (713)935-9542

10. Field and Pool, or Wildcat:

4. Location of Well

Footages:

County: Grand

QQ, Sec., T., R., M.: 36-T15S-R24E

State: Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Operator Change
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

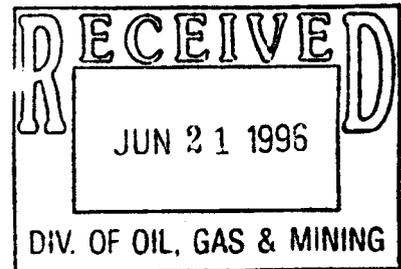
Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT 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.)

ENOGEX Exploration Company took over operations from Northstar Gas Co., Inc. 5/1/96 with the effective date of the sale 3/1/96.



13.

Name & Signature: Harry J. Bean

Title: President

Date: 6/19/96

(This space for State use only)

DOG M SPEED LETTER

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date 7/8 19 96

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Northstar Gas Company Inc (N6680)

New Operator: Enogex Exploration Corp (N7430)

Well(s):	API:	Entity:	S-T-R:	Lease:
Arco State 2-1	43-019-30240	00520	2-16S-24E	ML-22208
Arco State 2-2	43-019-30241	00520	2-16S-24E	ML-22208
Arco State 36-7	43-019-31162	09710	36-15.5S-24E	ML-22208
Arco State 36-8	43-019-31192	09710	36-15.5S-24E	ML-22208
Bitter Creek 1	43-019-30047	00515	2-16S-25E	ML-25151
San Arroyo Unit 38	43-019-31253	00500	16-16S-25E	ML-4113
San Arroyo Unit 41	43-019-31289	00500	36-16S-25E	ML-4668

cc: Operator File

Signed *Don Staley*

REPLY

Date \_\_\_\_\_ 19 \_\_\_\_\_

Signed \_\_\_\_\_

**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC ✓	6-LEC ✓
2-GLH ✓	7-KDR ✓
3-DPSTLS ✓	8-SJ ✓
4-VLD ✓	9-FILE ✓
5-RJF ✓	

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: 5-1-96

**TO: (new operator)** ENOGEX EXPLORATION CORP.  
 (address) PO BOX 24300  
OKLAHOMA CITY OK 73124-0300  
 Phone: (405)525-7788  
 Account no. N7430

**FROM: (old operator)** NORTHSTAR GAS COMPANY INC  
 (address) 820 GESSNER #1630  
HOUSTON TX 77024  
 Phone: (713)935-9542  
 Account no. N6680

WELL(S) attach additional page if needed:

Name: <u>ARCO STATE 2-1/DKTA</u>	API: <u>43-019-30240</u>	Entity: <u>520</u>	S	<u>2</u>	T	<u>16S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>ARCO STATE 2-2/DKTA</u>	API: <u>43-019-30241</u>	Entity: <u>520</u>	S	<u>2</u>	T	<u>16S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>ARCO STATE 36-7/CM-MR</u>	API: <u>43-019-31162</u>	Entity: <u>9710</u>	S	<u>36</u>	T	<u>15.5S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>ARCO STATE 36-8/DK-MR</u>	API: <u>43-019-31192</u>	Entity: <u>9710</u>	S	<u>36</u>	T	<u>15.5S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>BITTER CREEK 1/CDMTN</u>	API: <u>43-019-30047</u>	Entity: <u>515</u>	S	<u>2</u>	T	<u>16S</u>	R	<u>25E</u>	Lease: <u>ML-25151</u>
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Reg 6-11-96) (Rec'd 6-21-96)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 5-30-96)*
- 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.
- lec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(6-24-96)*
- lec 6. Cardex file has been updated for each well listed above. *(6-24-96)*
- lec 7. Well file labels have been updated for each well listed above. *(6-24-96)*
- lec 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. *(6-24-96)*
- lec 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**

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

**BOND VERIFICATION - (FEE WELLS ONLY)** \*Trust Lands (\$80,000) Surety

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

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- DTS 1. Copies of documents have been sent on 7/8/96 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

**FILMING**

- WDR 1. All attachments to this form have been microfilmed. Today's date: July 18, 1996.

**FILING**

- \_\_\_\_ 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**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Utah Department of Commerce  
Division of Corporations & Commercial Code  
160 East 300 South, 2nd Floor, Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web site: <http://www.commerce.state.ut.us>

CRESCENDO ENERGY, LLC

August 4, 2000

## CERTIFICATE OF EXISTENCE

Registration Number: PENDING  
Business Name: CRESCENDO ENERGY, LLC  
Registered Date: JULY 13, 2000  
Foreign or Domestic: FOREIGN  
Current Status: GOOD STANDING

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah.



Lorena Riffo-Jenson  
Division Director of  
Corporations and Commercial Code

Dept. of Professional Licensing  
(801)530-6628

Real Estate  
(801)530-6747

Public Utilities  
(801)530-6651

Securities  
(801)530-6600

Consumer Protection  
(801)530-6601

ASCENDO ENERGY, LLC

API NUMBER	Well Name	Entity	WELL STATUS
4301915886	SAN ARROYO # 3	500	P
4301915887	SAN ARROYO # 4	500	P
4301915890	SAN ARROYO # 8	500	P
4301915891	SAN ARROYO # 9	500	P
4301915892	SAN ARROYO #11	500	P
4301915893	SAN ARROYO #12	500	P
4301915894	SAN ARROYO #13	500	P
4301915896	SAN ARROYO #16	500	S
4301915897	SAN ARROYO #17	500	P
4301915898	SAN ARROYO #18	500	P
4301915899	SAN ARROYO #19	500	P
4301915900	SAN ARROYO #20	500	P
4301915901	SAN ARROYO #21	500	P
4301915902	SAN ARROYO #22	500	P
4301915903	SAN ARROYO #24	500	P
4301915904	SAN ARROYO #25	500	P
4301915905	SAN ARROYO #26	500	P
4301915906	SAN ARROYO #27	500	P
4301915907	SAN ARROYO #28	500	P
4301915908	SAN ARROYO #29	500	P
4301915909	SAN ARROYO #30	500	P
4301930527	SAN ARROYO #31	500	P
4301930528	SAN ARROYO #32	500	P
4301930608	SAN ARROYO #33	500	S
4301911090	SAN ARROYO #35	500	P
4301931251	SAN ARROYO #36A	500	P
4301931252	SAN ARROYO #37	500	P
4301931253	SAN ARROYO #38	500	P
4301931289	SAN ARROYO #41	500	P
4301931290	SAN ARROYO #42	500	P
4301931291	SAN ARROYO #43	500	P
4301931301	SAN ARROYO #44	500	P
4301931299	SAN ARROYO #45	500	P
4301931318	SAN ARROYO #47	500	P
4301931316	SAN ARROYO #49	500	P
4301916532	SAN ARROYO # 1	505	S
4301915885	SAN ARROYO # 2	505	S
4301915888	SAN ARROYO # 5	505	S
4301915889	SAN ARROYO # 6	505	S
4301931250	SAN ARROYO #40	505	S
4301930047	BITTERCREEK #1	515	P
4301930240	ARCO STATE #2-1	520	P
4301930241	ARCO STATE #2-2	520	P
4301915884	FEDERAL 174 #1	8340	P
4301911089	GILBERT FEDERAL #1	8341	P
4304730765	BLACKHORSE FEDERAL #31-1	8345	P
4301931162	ARCO STATE #36-7	9710	P
4301931192	ARCO STATE #36-8	9710	P
4301930570	ARCO STATE #27-1	11595	P

# Crescendo Energy, LLC

P.O. Box 1814  
Midland, TX 79702  
Phone: 915-697-7221  
Fax: 915-697-7289

August 23, 2000

Attn: Mr. Jim Thompson  
Utah Division of Oil, Gas & Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

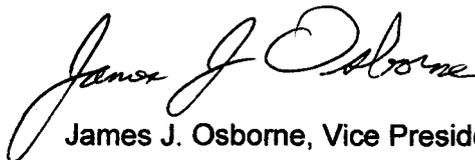
Re: Change of Operator

Dear Mr. Thompson:

The attached list of properties was formerly owned and operated by Enogex Exploration Corporation. Crescendo Energy, LLC has purchased the properties and has taken over operations. If you have any questions, please feel free to contact me at the phone number listed above.

Sincerely yours,  
Crescendo Energy, LLC

By: Crescendo Energy Partners, LLC, its  
Managing Member

  
James J. Osborne, Vice President

Confirmation by Previous Operator:

Enogex Exploration Corporation

By: Chris J. Haugen  
Name (Print): CHRIS J. HAUGEN  
Title: Manager, E&P

jjo  
Attachment

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

ML-22208

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ARCO-STATE #36-7

9. API Well No.

10. Field and Pool, or Exploratory Area

EAST CANYON

11. County or Parish, State

GRAND, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

CRESCENDO ENERGY PARTNERS, LLC

3. Address and Telephone No.

P.O. BOX 1814, MIDLAND, TX 79702 (915) 697-7221

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SECTION 36-T15½S-T24E  
540' FSL, 1550' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other CHANGE OF OPERATOR

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

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

13. 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.)\*

CHANGE OF OPERATOR

CRESCENDO ENERGY PARTNERS, LLC IS TAKING OVER OPERATIONS OF THE ABOVE CAPTIONED WELL.

CRESCENDO ENERGY PARTNERS, LLC IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF.

BOND COVERAGE FOR THIS WELL WILL BE PROVIDED BY BLM BOND NO 0437484

EFFECTIVE DATE: JUNE 30, 2000

RECEIVED

OCT 10 2000

DIVISION OF  
OIL, GAS AND MINING

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

Signed



Title

ENGINEER

Date

9-25-00

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH	<input checked="" type="checkbox"/>	4-KAS	<input checked="" type="checkbox"/>
2. CDW	<input checked="" type="checkbox"/>	5- <del>307</del>	<input checked="" type="checkbox"/>
3. JLT	<input type="checkbox"/>	6-FILE	<input type="checkbox"/>

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective:

6-30-2000

**FROM:** (Old Operator):

ENOGEX EXPLORATION CORPORATION

Address: P. O. BOX 24300

OKLAHOMA CITY, OK 73124-0300

Phone: 1-(405)-525-7788

Account No. N7430

**TO:** ( New Operator):

CRESCENDO ENERGY PARTNERS LLC

Address P. O. BOX 1814

MIDLAND, TX 79702

Phone: 1-(915)-697-7221

Account N1365

**CA No.**

**Unit:**

**WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ARCO STATE NO. 2-1	43-019-30240	520	02-16S-24E	STATE	GW	P
ARCO STATE NO. 2-2	43-019-30241	520	02-16S-24E	STATE	GW	P
ARCO STATE NO. 36-7	43-019-31162	9710	36-15.5S-24E	STATE	GW	P
ARCO STATE NO. 36-8	43-019-31192	9710	36-16S-24E	STATE	GW	P
BITTER CREEK NO. 1	43-019-30047	515	02-16S-25E	STATE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 08/28/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 09/05/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 10-18-2000
- Is the new operator registered in the State of Utah: YES Business Number: 4778945-0161
- If **NO**, the operator was contacted on: \_\_\_\_\_
- 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
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- 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") Pro:** 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: 10/18/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/18/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: 437484

---

**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: N/A
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: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

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**COMMENTS:**

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**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.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-22208</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>Arco State 36-7</b>	
2. NAME OF OPERATOR: <b>Crescendo Energy, LLC</b>	9. API NUMBER: <b>4301931162</b>	
3. ADDRESS OF OPERATOR: P.O. Box 1814 CITY <b>Midland</b> STATE <b>TX</b> ZIP <b>79702</b>	PHONE NUMBER: <b>(432) 697-7221</b>	
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>0540 FSL 1550 FEL</b> COUNTY: <b>Grand</b>		10. FIELD AND POOL, OR WILDCAT: <b>San Arroyo Field</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSE 36 15S 24E S</b> STATE: <b>UTAH</b>		

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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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: <b>Pit Closure</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>Tank Install</b>

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

Existing pit will be closed and a tank will be installed to contain produced water. Produced water will be hauled and disposed of at the Black Mtn Facility in Mesa County, Colorado.

Closure of produced water pit was based on requirements included in Section VII Guidance for Determining Cleanup Levels of the Environmental Handbook, Environmental Regulations for the Oil & Gas Exploration and Production Industry. Prepared by G.L. Hunt, Environmental Manager, UTAH DIVISION OF OIL, GAS & MINING, January 1996. A review of the site based on the guidance document, resulted in a Level I Environmental Sensitivity classification. The Level I category requires cleanup to the 1% TPH (10,000 mg/kg or ppm) level.

A soil sample was collected from the bottom of the active pit. Results of this sampling demonstrate TPH levels below the cleanup requirements listed above. Sample analytical results are attached to this Sundry Notice.

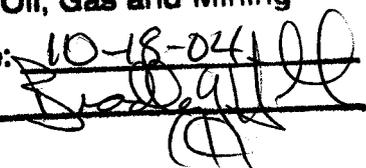
Pad material will be used to backfill the pit and a 70 barrel tank will be connected to the production works to collect produced water. The tank will be set on the existing pad location. All facilities will be painted olive black to match the surrounding vegetation. A soil berm will be constructed around the tank to contain any produced water spills.

NAME (PLEASE PRINT) <u>Sean T. Norris</u>	TITLE <u>Senior Project Geologist</u>
SIGNATURE 	DATE <u>10/11/2004</u>

(This space for State use only)

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

Date: 10-18-04

By: 

COPY SENT TO OPERATOR  
Date: 10-19-04  
Initials: CHD

(See Instructions on Reverse Side)

**RECEIVED**  
**OCT 14 2004**  
DIV. OF OIL, GAS & MINING



**ENVIRONMENTAL  
SCIENCE CORP.**

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

**REPORT OF ANALYSIS**

Mr. Sean Norris  
Cordilleran Compliance Services, Inc  
826 21 1/2 Road  
Grand Junction, CO 81505

October 04, 2004

Date Received : September 29, 2004  
Description : Pit Closures Arco 36-7, 36-8, 2-1, 2-2, 31-1  
Sample ID : CS 36-7-01 8 IN  
Collected By : Sean Norris  
Collection Date : 09/28/04 06:20

ESC Sample # : L171584-01

Site ID :

Project # :

*Arco 36-7*

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.25	mg/kg	8021/8015	09/30/04	500
Toluene	4.3	2.5	mg/kg	8021/8015	09/30/04	500
Ethylbenzene	BDL	0.25	mg/kg	8021/8015	09/30/04	500
Total Xylene	34.	0.75	mg/kg	8021/8015	09/30/04	500
TPH (GC/FID) Low Fraction	6700	50.	mg/kg	TNGRO	09/30/04	500
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	91.		% Rec.	8021/8015	09/30/04	500

*Cheli Boucher*

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/01/04 16:38 Printed: 10/04/04 12:02

Attachment A  
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L171584-01	TPH (GC/FID) Low Fraction	E
L171584-06	Total Xylene	E
	TPH (GC/FID) Low Fraction	E

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

**Accuracy** - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

**Precision** - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

**Surrogate** - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

		Control Limits		(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	79-126 83-119
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	81-114 82-116
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	65-129 72-126

**TIC** - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
10/04/04 at 12:02:59

TSR Signing Reports: 070  
R3 - Rush: Two Day

Report methane to 0.01 ppb as method RSK 175

Sample: L171584-01 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Removed rush, not approved on due date-cb 10/4  
Sample: L171584-02 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-03 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-04 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-05 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-06 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38



**ENVIRONMENTAL  
SCIENCE CORP.**

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Cordilleran Compliance Services, Inc.  
Mr. Sean Norris  
826 21 1/2 Road

**Quality Assurance Report  
Level II**

Grand Junction, CO 81505

L171584

October 04, 2004

Analyte	Result	Laboratory Blank		Date Analyzed	Batch
		Units			
Benzene	< .0005	mg/kg		09/29/04 15:39	WG172837
Ethylbenzene	< .0005	mg/kg		09/29/04 15:39	WG172837
Toluene	< .005	mg/kg		09/29/04 15:39	WG172837
TPH (GC/FID) Low Fraction	< .1	mg/kg		09/29/04 15:39	WG172837
Total Xylene	< .0015	mg/kg		09/29/04 15:39	WG172837
Benzene	< .0005	mg/kg		09/30/04 12:14	WG172928
Ethylbenzene	< .0005	mg/kg		09/30/04 12:14	WG172928
Toluene	< .005	mg/kg		09/30/04 12:14	WG172928
TPH (GC/FID) Low Fraction	< .1	mg/kg		09/30/04 12:14	WG172928
Total Xylene	< .0015	mg/kg		09/30/04 12:14	WG172928
Benzene	< .0005	mg/kg		10/01/04 12:08	WG173067
Ethylbenzene	< .0005	mg/kg		10/01/04 12:08	WG173067
Toluene	< .005	mg/kg		10/01/04 12:08	WG173067
TPH (GC/FID) Low Fraction	< .1	mg/kg		10/01/04 12:08	WG173067
Total Xylene	< .0015	mg/kg		10/01/04 12:08	WG173067

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.0272	0.0294	108.	74-123	WG172837
Ethylbenzene	mg/kg	.0368	0.0391	106.	73-124	WG172837
Toluene	mg/kg	.1532	0.169	111.	79-120	WG172837
TPH (GC/FID) Low Fraction	mg/kg	2.2	2.43	111.	73-124	WG172837
Total Xylene	mg/kg	.178	0.194	109.	78-117	WG172837
Benzene	mg/kg	.0272	0.0290	107.	74-123	WG172928
Ethylbenzene	mg/kg	.0368	0.0370	100.	73-124	WG172928
Toluene	mg/kg	.1532	0.156	102.	79-120	WG172928
TPH (GC/FID) Low Fraction	mg/kg	2.2	1.92	87.2	73-124	WG172928
Total Xylene	mg/kg	.178	0.182	102.	78-117	WG172928
Benzene	mg/kg	.0272	0.0240	88.2	74-123	WG173067
Ethylbenzene	mg/kg	.0368	0.0313	85.1	73-124	WG173067
Toluene	mg/kg	.1532	0.133	87.1	79-120	WG173067
TPH (GC/FID) Low Fraction	mg/kg	2.2	2.00	91.0	73-124	WG173067
Total Xylene	mg/kg	.178	0.151	84.9	78-117	WG173067

Analyte	Units	Laboratory Control Sample Duplicate		RPD	Limit	%Rec	Batch
		LCSD Res	Ref Res				
Benzene	mg/kg	0.0281	0.0294	4.59	13	103.	WG172837
Ethylbenzene	mg/kg	0.0378	0.0391	3.59	13	103.	WG172837
Toluene	mg/kg	0.163	0.169	3.91	12	106.	WG172837
TPH (GC/FID) Low Fraction	mg/kg	2.30	2.43	5.58	13	105.	WG172837
Total Xylene	mg/kg	0.187	0.194	3.46	12	105.	WG172837
Benzene	mg/kg	0.0302	0.0290	4.15	13	111.	WG172928
Ethylbenzene	mg/kg	0.0383	0.0370	3.61	13	104.	WG172928
Toluene	mg/kg	0.162	0.156	3.78	12	105.	WG172928
TPH (GC/FID) Low Fraction	mg/kg	1.99	1.92	3.83	13	90.6	WG172928
Total Xylene	mg/kg	0.188	0.182	3.62	12	106.	WG172928
Benzene	mg/kg	0.0257	0.0240	7.03	13	94.6	WG173067
Ethylbenzene	mg/kg	0.0334	0.0313	6.56	13	90.9	WG173067
Toluene	mg/kg	0.143	0.133	6.66	12	93.1	WG173067
TPH (GC/FID) Low Fraction	mg/kg	2.16	2.00	7.65	13	98.3	WG173067
Total Xylene	mg/kg	0.164	0.151	8.03	12	92.0	WG173067



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826 21 1/2 Road

**Quality Assurance Report  
Level II**

Grand Junction, CO 81505

October 04, 2004

L171584

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Benzene	mg/kg	0.108	0.00	.0272	79.3	62-116	L171362-04	WG172837
Ethylbenzene	mg/kg	0.144	0.00	.0368	78.5	61-118	L171362-04	WG172837
Toluene	mg/kg	0.632	0.00	.1532	82.5	64-120	L171362-04	WG172837
TPH (GC/FID) Low Fraction	mg/kg	8.14	0.00	2.2	74.0	54-117	L171362-04	WG172837
Total Xylene	mg/kg	0.719	0.00	.178	80.8	64-118	L171362-04	WG172837
Benzene	mg/kg	0.133	0.0008	.0272	97.0	62-116	L171535-09	WG172928
Ethylbenzene	mg/kg	0.161	0.0004	.0368	87.3	61-118	L171535-09	WG172928
Toluene	mg/kg	0.704	0.0041	.1532	91.3	64-120	L171535-09	WG172928
TPH (GC/FID) Low Fraction	mg/kg	7.71	0.00	2.2	70.1	54-117	L171535-09	WG172928
Total Xylene	mg/kg	0.785	0.0021	.178	87.9	64-118	L171535-09	WG172928
Benzene	mg/kg	0.117	0.00	.0272	86.4	62-116	L171488-02	WG173067
Ethylbenzene	mg/kg	0.142	0.00	.0368	77.2	61-118	L171488-02	WG173067
Toluene	mg/kg	0.631	0.00	.1532	82.4	64-120	L171488-02	WG173067
TPH (GC/FID) Low Fraction	mg/kg	8.77	0.00	2.2	79.7	54-117	L171488-02	WG173067
Total Xylene	mg/kg	0.686	0.00	.178	77.1	64-118	L171488-02	WG173067

Analyte	Units	Matrix Spike Duplicate		RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res					
Benzene	mg/kg	0.130	0.108	18.7	18	95.7	L171362-04	WG172837
Ethylbenzene	mg/kg	0.175	0.144	19.0	17	94.9	L171362-04	WG172837
Toluene	mg/kg	0.761	0.632	18.5	14	99.3	L171362-04	WG172837
TPH (GC/FID) Low Fraction	mg/kg	9.84	8.14	19.0	17	89.5	L171362-04	WG172837
Total Xylene	mg/kg	0.867	0.719	18.7	16	97.4	L171362-04	WG172837
Benzene	mg/kg	0.134	0.133	1.05	18	98.0	L171535-09	WG172928
Ethylbenzene	mg/kg	0.161	0.161	0.249	17	87.1	L171535-09	WG172928
Toluene	mg/kg	0.707	0.704	0.440	14	91.7	L171535-09	WG172928
TPH (GC/FID) Low Fraction	mg/kg	7.80	7.71	1.11	17	70.9	L171535-09	WG172928
Total Xylene	mg/kg	0.780	0.785	0.626	16	87.4	L171535-09	WG172928
Benzene	mg/kg	0.112	0.117	4.93	18	82.2	L171488-02	WG173067
Ethylbenzene	mg/kg	0.134	0.142	6.17	17	72.6	L171488-02	WG173067
Toluene	mg/kg	0.605	0.631	4.25	14	79.0	L171488-02	WG173067
TPH (GC/FID) Low Fraction	mg/kg	7.71	8.77	12.9	17	70.0	L171488-02	WG173067
Total Xylene	mg/kg	0.649	0.686	5.54	16	73.0	L171488-02	WG173067

Batch number /Run number / Sample number cross reference

WG172837: R209399: L171584-01  
WG172928: R209626: L171584-05 06  
WG173067: R209658: L171584-02 03 04

\* denotes out of limit range result. See Attachment B of standard report for list of qualifiers.  
\* \* Calculations are performed prior to rounding of reported values .



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Mr. Sean Norris  
826 21 1/2 Road

Grand Junction, CO 81505

Quality Assurance Report  
Level II

L171584

October 04, 2004

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address: **Cordilleran Compliance Services, Inc.**  
 826 21 1/2 Road  
 Grand Junction, CO 81505

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody Page 1 of 1

Report to: **Sean Norris** Email to: **seannorris@cordcomp.com**

Project Description: **Pit Closures Arco 36-7, 36-8 2-1, 2-2, 31-1** City/State Collected: **San Arroyo Utah**

Phone: (970) 263-7800 Client Project #: ESC Key:

FAX: (970) 263-7456

Collected by: **S. Norris** Site/Facility ID#: P.O.#:

Collected by (signature): **[Signature]** **Rush?** (Lab MUST Be Notified)  
 Same Day.....200%  
 Next Day.....100%  
 Two Day.....50%

Date Results Needed:  
 Email? No Yes  
 FAX? No Yes

Packed on Ice: **N** (Y)

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Analysis/Container/Preservative	Remarks/Contaminant	Sample # (lab only)
CS 36-7-01	Grab	Soil	8"	9/28/04	6:20	1	X Arco 36-7 well	L171584-01	
CS 36-8-01	Grab	Soil	8"	9/28/04	6:40	1	X Arco 36-8 well	-02	
CS 2-1-01	Grab	Soil	8"	9/28/04	7:00	1	X Arco 2-1 well	North pit	03
CS 2-1-02	Grab	Soil	8"	9/28/04	7:05	1	X Arco 2-1 well	South pit	04
CS 2-2-02	Grab	Soil	8"	9/28/04	7:45	1	X Arco 2-2 well		05
CS 31-1-01	Grab	Soil	8"	9/28/04	8:35	1	X Blackhorse Fed 31-1		06

TUPH 315X

Prepared by:

**ENVIRONMENTAL SCIENCE CORP.**

12065 Lebanon Road  
 Mt Juliet, TN 37122

Phone (615) 758-5858  
 Phone (800) 767-5859  
 FAX (615) 758-5859

CeCode: **CORCOMGC** (lab use only)  
 Template/Prelogin  
 Shipped Via:

\*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature) **[Signature]** Date: **9/28/04** Time: **11:28**

Received by: (Signature) **[Signature]** Date: \_\_\_\_\_ Time: \_\_\_\_\_

Samples returned via:  UPS  FedEx  Courier  \_\_\_\_\_

Condition: (lab use only) **OK**

Temp: **15** Bottles Received: **6402**

Relinquished by: (Signature) **[Signature]** Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received for lab by: (Signature) **[Signature]** Date: **9-29-04** Time: **09:30**

pH Checked: \_\_\_\_\_ NGF: \_\_\_\_\_

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**See attached**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
**San Arroyo Unit and other wells**

8. WELL NAME and NUMBER:  
**See attached**

9. API NUMBER:  
**See attach**

10. FIELD AND POOL, OR WILDCAT:  
**See attached**

**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  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**Slate River Resources, LLC** *N2725*

3. ADDRESS OF OPERATOR: **418 Main Street, Ste. 18** CITY **Vernal** STATE **UT** ZIP **84078** PHONE NUMBER: **(435) 781-1870**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See attached schedule of wells** COUNTY: **Grand**

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 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"/> 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.  
Crescendo Energy, LLC is a wholly owned subsidiary of Slate River Resources, LLC. All the wells, properties and leasehold interest of Crescendo Energy, LLC has been assigned to Slate River Resources, LLC. We request a change of Operator from Crescendo Energy, LLC to Slate River Resources, LLC on the wells listed on the attached schedule, including a change of Operator of the San Arroyo Unit Area effective November 1, 2005.

The Bond numbers for Slate River Resources, LLC are:  
State of Utah DOGM Bond B001556 \$120,000  
State of Utah Bond of Lessee B001760 \$ 15,000 being transferred from Crescendo to Slate River Resources, LLC  
Federal Utah Statewide Bond UTB000187 \$ 25,000 being transferred from Crescendo to Slate River Resources, LLC

Crescendo Energy, LLC *N1365*  
*Carter G. Mathies*  
Carter G. Mathies, President

NAME (PLEASE PRINT) **Gary D. Davis** TITLE **President, Slate River Resources, LLC**  
SIGNATURE *[Signature]* DATE **11/10/2005**

(This space for State use only)

**APPROVED** *11/29/05*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**NOV 16 2005**  
DIV. OF OIL, GAS & MINING

## SLATE RIVER RESOURCES, LLC, OPERATOR

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Qtr/Dir	Section	Township-Range	FNL/	
43-019-30570-00-0	CRESCENDO ENERGY LLC	ARCO 27-1	Gas Well	Producing	SAN ARROYO	GRAND	NWSW	27	16S-25E	U-29645	1700
43-019-31162-00-0	CRESCENDO ENERGY LLC	ARCO STATE 36-7	Gas Well	Producing	EAST CANYON	GRAND	SWSE	36	15.5S-24E	ML-22208	852
43-019-31192-00-0	CRESCENDO ENERGY LLC	ARCO STATE 36-8	Gas Well	Producing	EAST CANYON	GRAND	SWSW	36	15.5S-24E	ML-22208	1285
43-019-30240-00-0	CRESCENDO ENERGY LLC	ARCO-STATE 2-1	Gas Well	Producing	EAST CANYON	GRAND	NESE	2	16S-24E	ML-22208	2420
43-019-30241-00-0	CRESCENDO ENERGY LLC	ARCO-STATE 2-2	Gas Well	Shut-In	EAST CANYON	GRAND	NWNW	2	16S-24E	ML-22208	1425
43-019-30047-00-0	CRESCENDO ENERGY LLC	BITTER CREEK 1	Gas Well	Producing	SAN ARROYO	GRAND	SWSE	2	16S-25E	ML-25151	1080
43-047-30765-00-0	CRESCENDO ENERGY LLC	BLACK HORSE CANYON FED 31-1	Gas Well	Producing	BLACK HORSE CYN	UINTAH	NWSW	31	15S-24E	U-14234	2030
43-019-15884-00-0	CRESCENDO ENERGY LLC	FEDERAL 174 1	Gas Well	Producing	SAN ARROYO	GRAND	SESW	11	16S-25E	U-126528	1940
43-019-31432-00-0	CRESCENDO ENERGY LLC	FEDERAL 27-2	Gas Well	Approved permit (APD); not yet spudd	SAN ARROYO	GRAND	SESE	27	16S-25E	U-29645	1110
43-019-31318-00-0	CRESCENDO ENERGY LLC	FEDERAL 47	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	31	16S-26E	U-6023	990
43-019-31410-00-0	CRESCENDO ENERGY LLC	FEDERAL 6-1	Gas Well	Approved permit (APD); not yet spudd	SAN ARROYO	GRAND	SWNW	6	16S-25E	U-9831	1760
43-019-11089-00-0	CRESCENDO ENERGY LLC	FEDERAL GILBERT 1	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	11	16S-25E	U-126528	1140
43-019-16532-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 01	Gas Well	Shut-In	SAN ARROYO	GRAND	SESW	26	16S-25E	USL-71307	1320
43-019-15885-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 02	Gas Well	Shut-In	SAN ARROYO	GRAND	SESW	22	16S-25E	U-370-A	125
43-019-15886-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 03	Gas Well	Producing	SAN ARROYO	GRAND	SESW	23	16S-25E	U-369	50
43-019-15887-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 04	Gas Well	Producing	SAN ARROYO	GRAND	SESW	30	16S-26E	U-6023	660
43-019-15888-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 05	Gas Well	Shut-In	SAN ARROYO	GRAND	NWSE	25	16S-25E	U-369	820
43-019-15889-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 06	Gas Well	Shut-In	SAN ARROYO	GRAND	SWNE	21	16S-25E	U-136529	1360
43-019-15890-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 08	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	16	16S-25E	ML-4113	2066
43-019-15891-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 09	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	27	16S-25E	U-370-A	1210
43-019-15892-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 11	Gas Well	Producing	SAN ARROYO	GRAND	NESW	15	16S-25E	U-5059-C	2450
43-019-15893-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 12	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	23	16S-25E	USL-71307	1520
43-019-15894-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 13	Gas Well	Producing	SAN ARROYO	GRAND	C-SW	22	16S-25E	U-370-A	660
43-019-15896-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 16	Gas Well	Producing	SAN ARROYO	GRAND	SESW	26	16S-25E	U-369	1990
43-019-15897-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 17	Gas Well	Producing	SAN ARROYO	GRAND	NENE	24	16S-25E	U-25243	660
43-019-15898-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 18	Gas Well	Producing	SAN ARROYO	GRAND	NWNW	30	16S-26E	U-6023	1300
43-019-15899-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 19	Gas Well	Producing	SAN ARROYO	GRAND	SWSE	14	16S-25E	U-5011-B	2600
43-019-15900-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 20	Gas Well	Producing	SAN ARROYO	GRAND	SENE	26	16S-25E	USL-71307	1712
43-019-15901-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 21	Gas Well	Producing	SAN ARROYO	GRAND	NWSE	25	16S-25E	U-369	395
43-019-15902-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 22	Gas Well	Producing	SAN ARROYO	GRAND	NENE	15	16S-25E	U-5011-A	2194
43-019-15903-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 24	Gas Well	Producing	SAN ARROYO	GRAND	SESW	19	16S-26E	U-6188	769
43-019-15904-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 25	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	21	16S-25E	U-136529	1111
43-019-15905-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 26	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	20	16S-26E	U-25297	78
43-019-15906-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 27	Gas Well	Producing	SAN ARROYO	GRAND	NESW	29	16S-26E	U-6021	787
43-019-15907-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 28	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	29	16S-26E	U-5650	634
43-019-15908-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 29	Gas Well	Producing	SAN ARROYO	GRAND	NENE	22	16S-25E	U-370-A	540
43-019-15909-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 30	Gas Well	Producing	SAN ARROYO	GRAND	NWSW	21	16S-26E	U-5650	945
43-019-30527-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 31	Gas Well	Shut-In	SAN ARROYO	GRAND	NWNW	22	16S-25E	U-370-A	739
43-019-30528-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 32	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	14	16S-25E	U-5011-B	1305
43-019-30608-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 33	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	25	16S-25E	U-369	1977
43-019-11090-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 35	Gas Well	Producing	SAN ARROYO	GRAND	SESW	24	16S-25E	U-369	1875
43-019-31251-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 36-A	Gas Well	Producing	SAN ARROYO	GRAND	SESE	19	16S-26E	U-6188	304
43-019-31252-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 37	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	20	16S-26E	U-5650	2025
43-019-31253-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 38	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	16	16S-25E	ML-4113	1393
43-019-31250-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 40	Gas Well	Shut-In	SAN ARROYO	GRAND	NWNE	27	16S-25E	U-370-A	1482
43-019-31289-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 41	Gas Well	Producing	SAN ARROYO	GRAND	NENE	36	16S-25E	Not CE Lease	1342
43-019-31290-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 42	Gas Well	Producing	SAN ARROYO	GRAND	NESE	30	16S-26E	U-6023	1300
43-019-31291-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 43	Gas Well	Producing	SAN ARROYO	GRAND	NESE	29	16S-26E	U-6021	600
43-019-31301-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 44	Gas Well	Producing	SAN ARROYO	GRAND	SENE	30	16S-26E	U-6023	
43-019-31299-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 45	Gas Well	Producing	SAN ARROYO	GRAND	NWSE	20	16S-26E	U-5650	0





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: \_\_\_\_\_

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:       n/a      

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on:       11/29/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on:       11/29/2005
3. Bond information entered in RBDMS on:       11/29/2005
4. Fee/State wells attached to bond in RBDMS on:       11/29/2005
5. Injection Projects to new operator in RBDMS on:       n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on:       11/29/2005

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number:       UTB000187      

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number       B001556
2. The FORMER operator has requested a release of liability from their bond on:       11/25/2005        
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:       n/a      

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**5/15/2008**

<b>FROM: (Old Operator):</b> N2725-Slate River Resources, LLC 1600 Broadway, Suite 900 Denver, CO 80202  Phone: 1 (303) 592-4448	<b>TO: ( New Operator):</b> N3505-Augustus Energy Partners, LLC 2016 Grand Ave, Suite A Billings MT 59012  Phone: 1 (406) 294-5990
---	---

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
<b>SEE ATTACHED LIST</b>									

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/23/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/23/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/4/2008
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 7012268-0161
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: In Process
- c. Reports current for Production/Disposition & Sundries on: OK
- 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: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 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:**

- Changes entered in the **Oil and Gas Database** on: 5/29/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/29/2008
- Bond information entered in RBDMS on: 5/29/2008
- Fee/State wells attached to bond in RBDMS on: 5/29/2008
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: \_\_\_\_\_

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB00317
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0011628
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** 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: n/a

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**See Attached list**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:  
**Augustus Energy Partners, LLC N3505**

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
2016 Grand Avenue. Ste A CITY **Billings** STATE **MT** ZIP **59012**

PHONE NUMBER:  
**(406) 294-5990**

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

COUNTY:  
  
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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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>Change of Operator</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.**

Effective 12:01 a.m. May 15, 2008 the Operator of this well will change from:

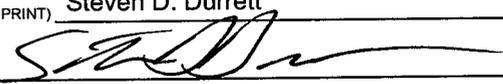
Slate River Resources, LLC  
1600 Broadway, Suite 900 **N2725**  
Denver, CO 80202  
303-592-4448

TO: Augustus Energy Partners, LLC  
2016 Grand Avenue, Suite A  
Billings, MT 59102

BLM Bond # UTB00317 effective 5/13/08 **STATE BOND = RLB 0011638**

Seller: Slate River Resources LLC  
Gary D. Davis, President/CEO

Signature: 

NAME (PLEASE PRINT) Steven D. Durrett TITLE President  
SIGNATURE  DATE 5/15/2008

(This space for State use only)

**APPROVED** 5/15/08  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**MAY 23 2008**

DIV. OF OIL, GAS & MINING

API Well Number	Well Name	Qtr/Qtr	Section	Township-Range
43-019-11089	FEDERAL GILBERT 1	SWNE	11	16S-25E
43-019-11090	SAN ARROYO U 35	SESW	24	16S-25E
43-019-15884	FEDERAL 174 1	SESW	11	16S-25E
43-019-15885	SAN ARROYO 2	SESW	22	16S-25E
43-019-15886	SAN ARROYO 3	SESW	23	16S-25E
43-019-15887	SAN ARROYO 4	SESW	30	16S-26E
43-019-15888	SAN ARROYO 5	NWSE	25	16S-25E
43-019-15889	SAN ARROYO 6	SWNE	21	16S-25E
43-019-15890	SAN ARROYO 8	SWSW	16	16S-25E
43-019-15891	SAN ARROYO 9	NWNE	27	16S-25E
43-019-15892	SAN ARROYO 11	NESW	15	16S-25E
43-019-15893	SAN ARROYO 12	SWSW	23	16S-25E
43-019-15894	SAN ARROYO 13	C-SW	22	16S-25E
43-019-15896	SAN ARROYO 16	SESW	26	16S-25E
43-019-15897	SAN ARROYO 17	NENE	24	16S-25E
43-019-15898	SAN ARROYO 18	NWNW	30	16S-26E
43-019-15899	SAN ARROYO 19	SWSE	14	16S-25E
43-019-15900	SAN ARROYO 20	SENE	26	16S-25E
43-019-15901	SAN ARROYO 21	NWSE	25	16S-25E
43-019-15902	SAN ARROYO 22	NENE	15	16S-25E
43-019-15903	SAN ARROYO 24	SESW	19	16S-26E
43-019-15904	SAN ARROYO 25	SWNE	21	16S-25E
43-019-15905	SAN ARROYO 26	SWSW	20	16S-26E
43-019-15906	SAN ARROYO 27	NESW	29	16S-26E
43-019-15907	SAN ARROYO 28	NWNE	29	16S-26E
43-019-15908	SAN ARROYO 29	NENE	22	16S-25E
43-019-15909	SAN ARROYO 30	NWSW	21	16S-26E
43-019-16532	SAN ARROYO 1	SESW	26	16S-25E
43-019-30047	BITTER CREEK 1	SWSE	2	16S-25E
43-019-30240	ARCO-STATE 2-1	NESE	2	16S-24E
43-019-30241	ARCO-STATE 2-2	NWNW	2	16S-24E
43-019-30527	SAN ARROYO 31	NWNW	22	16S-25E
43-019-30528	SAN ARROYO 32	SWSW	14	16S-25E
43-019-30570	ARCO 27-1	NWSW	27	16S-25E
43-019-30608	SAN ARROYO 33	SWSW	25	16S-25E
43-019-31162	ARCO STATE 36-7	SWSE	36	15.5S-24E
43-019-31192	ARCO STATE 36-8	SWSW	36	15.5S-24E
43-019-31250	SAN ARROYO U 40	NWNE	27	16S-25E
43-019-31251	SAN ARROYO U 36-A	SESE	19	16S-26E
43-019-31252	SAN ARROYO U 37	SWNE	20	16S-26E
43-019-31253	SAN ARROYO U 38	SWNE	16	16S-25E
43-019-31289	SAN ARROYO U 41	NENE	36	16S-25E
43-019-31290	SAN ARROYO U 42	NESE	30	16S-26E
43-019-31291	SAN ARROYO U 43	NESE	29	16S-26E
43-019-31299	SAN ARROYO 45	NWSE	20	16S-26E
43-019-31301	SAN ARROYO 44	SENE	30	16S-26E
43-019-31316	SAN ARROYO 49	NENW	29	16S-26E
43-019-31318	FEDERAL 47	NWNE	31	16S-26E
43-047-30765	BLACK HORSE CANYON FED 31-1	NWSW	31	15S-24E

RECEIVED

MAY 23 2008

DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**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  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
ARCO STATE 36-7

2. NAME OF OPERATOR:  
AUGUSTUS ENERGY PARTNERS, LLC

9. API NUMBER:  
4301931162

3. ADDRESS OF OPERATOR:  
2016 GRAND AVE, STE A CITY BILLINGS STATE MT ZIP 59101

PHONE NUMBER:  
(406) 294-5990

10. FIELD AND POOL, OR WILDCAT:  
EAST CANYON

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 540' FSL, 1550' FEL

COUNTY: GRAND

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 36 <sup>15,5S</sup> 24E 6

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 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 checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Augustus Energy Partners, LLC proposes to isolate, perforate and fracture treat the following intervals:

3624-3628' Castlegate

(NOTE: Cause No. 149-1 established drilling units that allow for multiple zone completions including the Castlegate member of the Mesaverde Formation at this location. Augustus Energy Partners, LLC owns 100% WI in all depths at this location, so an allocation procedure will not be required).

Depending on the test results return the well to production producing only the Castlegate, or commingled with the existing Dakota production.

See attached re-completion procedure.

COPY SENT TO OPERATOR

Date: 9.23.2008

Initials: KS

NAME (PLEASE PRINT) Duane Zimmerman TITLE Vice President Operations

SIGNATURE Duane Zimmerman DATE 9/4/2008

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9/18/08  
BY: [Signature]

(See instructions on Reverse Side)

(5/2000)

RECEIVED  
SEP 08 2008  
DIV. OF OIL, GAS & MINING

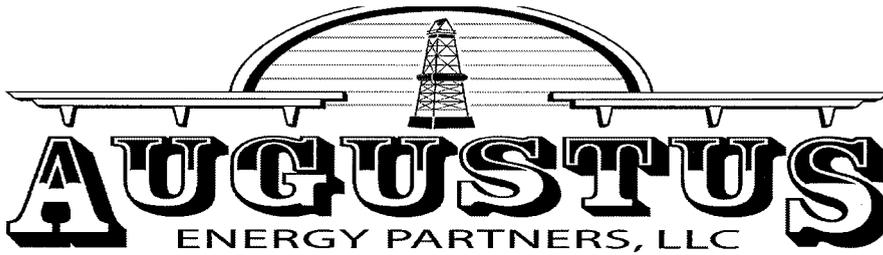


Arco State 36-7  
API #43-019-31162  
Section 36, T15.5S-R24E  
Grand County, Utah  
September 3, 2008

Surface Casing: 9-5/8", 32.3#, H-40 STC at 315'  
Intermediate Casing: 7", 20#, K-55 STC 3,940'  
Production Casing: 4.5", 10.5#, K-55 STC at 7,942'  
TD: 7,945'  
PBTD: 7,868'  
Tubing: 2-3/8", 4.7#, N-80 EUE, 7,392'

### Re-completion Procedure Add Castlegate Perforations

- 1) MIRUSU. RU and pressure test the 4-1/2" and 7" casing annulus to 500 psig.
- 2) Blow down well and un-flange casing head. Strip on BOPS. Pickup 2-3/8 inch tubing and tag bottom to check for fill. Strap out of the hole standing back tubing.
- 3) MU RBP and TIH and set at 3,700'. Fill casing with 2% KCL water and test casing to 500 psig. RU and swab the casing dry, release RBP and POOH.
- 4) MIRU wireline company and run a GR/CCL. Perforate 3,624'-3,628' with 2 JSPF dry charges, deep penetrating correlated to Schlumberger Formation Density/Compensated Neutron log dated 16 Sept 1984. RD wireline company.
- 5) TIH with 2-3/8" tubing and RBP. Set RBP at 3,700'. RU and flow/swab test well to evaluate for returning the well to sales with the Dakota/Castlegate commingled, or stand alone.
- 6) Return the well to production.



Well Name & No.: <b>ARCO STATE 36-7</b>	API # <b>43-019-31162</b>	Location (Footages & Qtr / Qtr) <b>SWSE, 540' FSL, 1550' FEL</b>
Field: <b>EAST CANYON</b>	County, State: <b>GRAND, UTAH</b>	Section, Twp., Rge.: <b>SEC 36, T15.5S, R24E</b>
Spud Date:	Elevations: <b>8290' GL</b>	Completion Date:

<b>D.S.T.#/Depth/Recovery:</b>

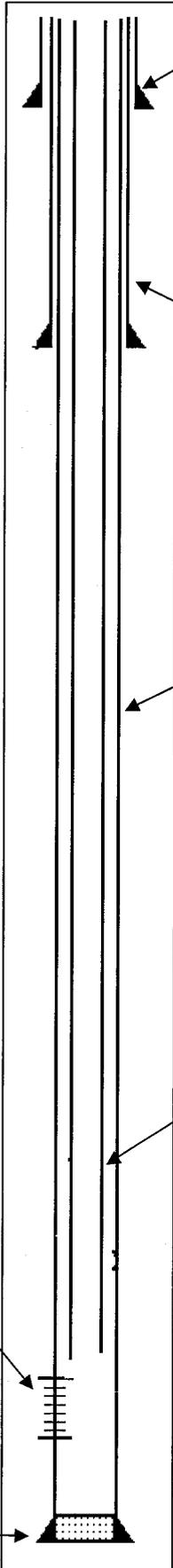
<b>Log Type / Interval:</b>

<b>Acid Job / Breakdown:</b>
Acidized w/1000 gal 15% HCl
Frac'd w/62,000 gal 70Q foam
w/15,000# 100 mesh & 54,500#
20/40 sd w/1,800,000 SCF N2
MRSN 7703-7807 Acidized w/
1000 gals 7.5% HCl, frac'd w/64,000
gals 75Q foam w/50,000#
20/40 SD

<b>Tbg as Ran</b>

<b>Zone / Perforations:</b>
CEDAR MTN 7414-19'
CEDAR MTN 7445-49'
CEDAR MTN 7452-57'
MORRISON 7414-17'
MORRISON 7703'
7706, 7726, 7729, 7761, 7766, 7769
7800 & 7807'

<b>P.B.T.D. 7769'</b>
<b>T.D. 7945'</b>



<b>Surface Casing:</b>
Bit/Csg. O.D.: 10 3/4"
Depth: 315'
#/ft / Grade: 40.5# H55
Thread: STC
Cement: 335sks Class G
Cement Top: Surface

<b>Intermediate Casing:</b>
Bit/Csg. O.D.: 9-7/8" 7 3/4"
Depth: 3940'
#/ft / Grade: 26.4# K55 STC
#/ft / Grade:
Cement: 335 SX POZMIX
Cement Top:

<b>Production Casing:</b>
Bit / Csg. O.D.: 6-3/4" 5"
#/ft / Grade: 18# N80 LTC
#/ft / Grade:
#/ft / Grade:
D.V. Depth:
Depth: 7942'
Cement Data: 225 SX CLASS G
Cement Top: Surface

<b>Tubing:</b>
O.D.: 2-3/8"
#/Ft./ Grade: 4.7#, J55 EUE
No. Jts:
Length:
Seat Nipple @ 7392'
End of Tubing:

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**11/11/2013**

<b>FROM: (Old Operator):</b> N3505-Augustus Energy Partners, LLC 2016 Garnd Ave, Suite A Billings, MT 59102 Phone: 1 (406) 294-5990	<b>TO: ( New Operator):</b> N4035-Southwestern Energy Ventures Company, LLC PO Box 1056 Bayfield, CO 81122 Phone: 1 (970) 884-4869
---	--

**CA No. Unit: San Arroyo**

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List						

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 11/22/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/22/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/27/2013
- Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 8812939-0161
- (R649-9-2) Waste Management Plan has been received on: N/A
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 11/27/2013
- 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: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: Not Yet
- Underground Injection Control ("UIC")** 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:**

- Changes entered in the **Oil and Gas Database** on: 12/1/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/1/2013
- Bond information entered in RBDMS on: 12/1/2013
- Fee/State wells attached to bond in RBDMS on: 12/1/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: RLB0015347
- Indian well(s) covered by Bond Number: N/A
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0015348
- The **FORMER** operator has requested a release of liability from their bond on: 11/22/2013

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** 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: N/A

**COMMENTS:**

## Augustus Energy Partners, LLC (N3505) to Southwestern Energy Ventures Company, LLC (N4035)

Effective 11/11/2013

## San Arroyo Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Well Type	Well Status
SAN ARROYO U 35	24	160S	250E	4301911090	500	Federal	GW	P
SAN ARROYO 2	22	160S	250E	4301915885	505	Federal	GW	S
SAN ARROYO 3	23	160S	250E	4301915886	500	Federal	GW	P
SAN ARROYO 4	30	160S	260E	4301915887	500	Federal	GW	P
SAN ARROYO 5	25	160S	250E	4301915888	505	Federal	GW	S
SAN ARROYO 6	21	160S	250E	4301915889	505	Federal	GW	S
SAN ARROYO 8	16	160S	250E	4301915890	500	Federal	GW	P
SAN ARROYO 9	27	160S	250E	4301915891	500	Federal	GW	P
SAN ARROYO 11	15	160S	250E	4301915892	500	Federal	GW	S
SAN ARROYO 12	23	160S	250E	4301915893	500	Federal	GW	P
SAN ARROYO 13	22	160S	250E	4301915894	500	Federal	GW	P
SAN ARROYO 16	26	160S	250E	4301915896	500	Federal	GW	P
SAN ARROYO 17	24	160S	250E	4301915897	500	Federal	GW	P
SAN ARROYO 18	30	160S	260E	4301915898	500	Federal	GW	P
SAN ARROYO 19	14	160S	250E	4301915899	500	Federal	GW	P
SAN ARROYO 20	26	160S	250E	4301915900	500	Federal	GW	P
SAN ARROYO 21	25	160S	250E	4301915901	500	Federal	GW	P
SAN ARROYO 22	15	160S	250E	4301915902	500	Federal	GW	P
SAN ARROYO 24	19	160S	260E	4301915903	500	Federal	GW	P
SAN ARROYO 25	21	160S	250E	4301915904	500	Federal	GW	P
SAN ARROYO 26	20	160S	260E	4301915905	500	Federal	GW	P
SAN ARROYO 27	29	160S	260E	4301915906	500	Federal	GW	P
SAN ARROYO 28	29	160S	260E	4301915907	500	Federal	GW	P
SAN ARROYO 29	22	160S	250E	4301915908	500	Federal	GW	P
SAN ARROYO 30	21	160S	260E	4301915909	500	Federal	GW	P
SAN ARROYO 1	26	160S	250E	4301916532	505	Federal	GW	S
SAN ARROYO 31	22	160S	250E	4301930527	500	Federal	GW	S
SAN ARROYO 32	14	160S	250E	4301930528	500	Federal	GW	S
SAN ARROYO 33	25	160S	250E	4301930608	500	Federal	GW	P
SAN ARROYO U 36-A	19	160S	260E	4301931251	500	Federal	GW	P
SAN ARROYO U 37	20	160S	260E	4301931252	500	Federal	GW	P
SAN ARROYO U 38	16	160S	250E	4301931253	500	State	GW	P
SAN ARROYO U 41	36	160S	250E	4301931289	500	State	GW	P
SAN ARROYO U 42	30	160S	260E	4301931290	500	Federal	GW	P
SAN ARROYO U 43	29	160S	260E	4301931291	500	Federal	GW	S
SAN ARROYO 45	20	160S	260E	4301931299	500	Federal	GW	P
SAN ARROYO 44	30	160S	260E	4301931301	500	Federal	GW	S
SAN ARROYO 49	29	160S	260E	4301931316	500	Federal	GW	P
FEDERAL 47	31	160S	260E	4301931318	500	Federal	GW	P
SAN ARROYO 1625-22O	22	160S	250E	4301931580	505	Federal	GW	S

# BEATTY & WOZNIAK, P.C.

ATTORNEYS AT LAW

216 SIXTEENTH STREET, SUITE 1100  
DENVER, COLORADO 80202-5115  
TELEPHONE (303) 407-4499  
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CASPER

CHEYENNE

DENVER

SALT LAKE CITY

SANTA FE

JENNIFER STOLDT

PHONE: (303) 407-4499

E-MAIL: JSTOLDT@BWENERGYLAW.COM

November 21, 2013

VIA FEDERAL EXPRESS

Utah Division of Oil, Gas and Mining  
Attn: Rachel Medina  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

RECEIVED  
NOV 22 2013  
DIV. OF OIL, GAS & MINING

Re: Sundry Notices and Reports on Wells – Change of Operator (Form 9)  
Our File No.: 9517.0001

Dear Ms. Madina:

Enclosed for notice and filing please find an original and three (3) copies of the Sundry Notices and Reports on Wells, list of wells, and copies of BLM Bond No. RLB0015347 and Utah State Bond No. RLB0015348.

If you have any questions regarding the enclosed documents, please call me directly at 303-407-4459. Thank you for your assistance in this matter.

Very truly yours,

BEATTY & WOZNIAK, P.C.



Jennifer Stoldt

Enclosures  
00292177.DOCX

Energy in the Law<sup>®</sup>

Operating in Wyoming as Beatty, Wozniak & Reese

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See Attached List</b>
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: <b>See Attached List</b>
2. NAME OF OPERATOR: <b>Augustus Energy Partners, LLC</b> <i>N3505</i>		8. WELL NAME and NUMBER: <b>See Attached List</b>
3. ADDRESS OF OPERATOR: 2016 Grand Ave. Ste A <small>CITY</small> <b>Billings</b> <small>STATE</small> <b>MT</b> <small>ZIP</small> <b>59102</b>		9. API NUMBER: <b>See Attach</b>
PHONE NUMBER: <b>(406) 294-5990</b>		10. FIELD AND POOL, OR WILDCAT: <b>See Attached List</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		COUNTY: <b>See Attached List</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

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 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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<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>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Effective 11/11/13</u>

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

Southwestern Energy Ventures Company, LLC will become operator of the wells per the attached list effective 11/11/2013.  
Attn: Ezra Lee  
P. O. Box 1056  
Bayfield, CO 81122  
970-884-4869  
ezra@crossfire-llc.com

Bond Coverage for operations conducted on these wells is being provided by Southwestern Energy Ventures Company, LLC in the form of a \$ 120,000 statewide Bond.

Utah State bond number RLB0015348 Surety number (Letter of credit ) \_\_\_\_\_

BLM Bond Number RLB0015347

NAME (PLEASE PRINT) Ezra Lee TITLE Manager

SIGNATURE [Signature] DATE 11-13-13

---

NAME (PLEASE PRINT) Duane Zimmerman TITLE VP Operations

SIGNATURE [Signature] DATE 11/11/13

*N3505*

(This space for State use only)

**APPROVED**

**DEC 01 2013**

(5/2000) DIV. OIL GAS & MINING

BY: Rachael Medina

*\* San Arroyo U40  
not moved b/c its  
a P+A Federal well.*

(See Instructions on Reverse Side)

	Current Operator	API Well Number	Well Name	Lease #	Unit #	CA #	Entity #	Qtr/Qtr	Sec	Twnshp-Rng
1	AUGUSTUS ENERGY PARTNERS LLC	43-019-11090-00-00	SAN ARROYO U 35	891003589A	UTU63022X		500	SESW	24	16S-25E
2	AUGUSTUS ENERGY PARTNERS LLC	43-019-15885-00-00	SAN ARROYO 2	891003598B	UTU63022X		505	SESW	22	16S-25E
3	AUGUSTUS ENERGY PARTNERS LLC	43-019-15886-00-00	SAN ARROYO 3	891003589A	UTU63022X		500	SESW	23	16S-25E
4	AUGUSTUS ENERGY PARTNERS LLC	43-019-15887-00-00	SAN ARROYO 4	891003589A	UTU63022X		500	SESW	30	16S-26E
5	AUGUSTUS ENERGY PARTNERS LLC	43-019-15888-00-00	SAN ARROYO 5	891003598B	UTU63022X		505	NWSE	25	16S-25E
6	AUGUSTUS ENERGY PARTNERS LLC	43-019-15889-00-00	SAN ARROYO 6	891003598B	UTU63022X		505	SWNE	21	16S-25E
7	AUGUSTUS ENERGY PARTNERS LLC	43-019-15890-00-00	SAN ARROYO 8	891003589A	UTU63022X		500	SWSW	16	16S-25E
8	AUGUSTUS ENERGY PARTNERS LLC	43-019-15891-00-00	SAN ARROYO 9	891003589A	UTU63022X		500	NWNE	27	16S-25E
9	AUGUSTUS ENERGY PARTNERS LLC	43-019-15892-00-00	SAN ARROYO 11	891003589A	UTU63022X		500	NESW	15	16S-25E
10	AUGUSTUS ENERGY PARTNERS LLC	43-019-15893-00-00	SAN ARROYO 12	891003589A	UTU63022X		500	SWSW	23	16S-25E
11	AUGUSTUS ENERGY PARTNERS LLC	43-019-15894-00-00	SAN ARROYO 13	891003589A	UTU63022X		500	C-SW	22	16S-25E
12	AUGUSTUS ENERGY PARTNERS LLC	43-019-15896-00-00	SAN ARROYO 16	891003589A	UTU63022X		500	SESW	26	16S-25E
13	AUGUSTUS ENERGY PARTNERS LLC	43-019-15897-00-00	SAN ARROYO 17	891003589A	UTU63022X		500	NENE	24	16S-25E
14	AUGUSTUS ENERGY PARTNERS LLC	43-019-15898-00-00	SAN ARROYO 18	891003589A	UTU63022X		500	NWNW	30	16S-26E
15	AUGUSTUS ENERGY PARTNERS LLC	43-019-15899-00-00	SAN ARROYO 19	891003589A	UTU63022X		500	SWSE	14	16S-25E
16	AUGUSTUS ENERGY PARTNERS LLC	43-019-15900-00-00	SAN ARROYO 20	891003589A	UTU63022X		500	SENE	26	16S-25E
17	AUGUSTUS ENERGY PARTNERS LLC	43-019-15901-00-00	SAN ARROYO 21	891003589A	UTU63022X		500	NWSE	25	16S-25E
18	AUGUSTUS ENERGY PARTNERS LLC	43-019-15902-00-00	SAN ARROYO 22	891003589A	UTU63022X		500	NENE	15	16S-25E
19	AUGUSTUS ENERGY PARTNERS LLC	43-019-15903-00-00	SAN ARROYO 24	891003589A	UTU63022X		500	SESW	19	16S-26E
20	AUGUSTUS ENERGY PARTNERS LLC	43-019-15904-00-00	SAN ARROYO 25	891003589A	UTU63022X		500	SWNE	21	16S-25E
21	AUGUSTUS ENERGY PARTNERS LLC	43-019-15905-00-00	SAN ARROYO 26	891003589A	UTU63022X		500	SWSW	20	16S-26E
22	AUGUSTUS ENERGY PARTNERS LLC	43-019-15906-00-00	SAN ARROYO 27	891003589A	UTU63022X		500	NESW	29	16S-26E
23	AUGUSTUS ENERGY PARTNERS LLC	43-019-15907-00-00	SAN ARROYO 28	891003589A	UTU63022X		500	NWNE	29	16S-26E
24	AUGUSTUS ENERGY PARTNERS LLC	43-019-15908-00-00	SAN ARROYO 29	891003589A	UTU63022X		500	NENE	22	16S-25E
25	AUGUSTUS ENERGY PARTNERS LLC	43-019-15909-00-00	SAN ARROYO 30	891003589A	UTU63022X		500	NWSW	21	16S-26E
26	AUGUSTUS ENERGY PARTNERS LLC	43-019-16532-00-00	SAN ARROYO 1	891003598B	UTU63022X		505	SESW	26	16S-25E
27	AUGUSTUS ENERGY PARTNERS LLC	43-019-30527-00-00	SAN ARROYO 31	891003589A	UTU63022X		500	NWNW	22	16S-25E
28	AUGUSTUS ENERGY PARTNERS LLC	43-019-30528-00-00	SAN ARROYO 32	891003589A	UTU63022X		500	SWSW	14	16S-25E
29	AUGUSTUS ENERGY PARTNERS LLC	43-019-30608-00-00	SAN ARROYO 33	891003589A	UTU63022X		500	SWSW	25	16S-25E
30	AUGUSTUS ENERGY PARTNERS LLC	43-019-31251-00-00	SAN ARROYO U 36-A	891003589A	UTU63022X		500	SESE	19	16S-26E
31	AUGUSTUS ENERGY PARTNERS LLC	43-019-31252-00-00	SAN ARROYO U 37	891003589A	UTU63022X		500	SWNE	20	16S-26E
32	AUGUSTUS ENERGY PARTNERS LLC	43-019-31253-00-00	SAN ARROYO U 38	891003589A	UTU63022X		500	SWNE	16	16S-25E
33	AUGUSTUS ENERGY PARTNERS LLC	43-019-31289-00-00	SAN ARROYO U 41	891003589A	UTU63022X		500	NENE	36	16S-25E
34	AUGUSTUS ENERGY PARTNERS LLC	43-019-31290-00-00	SAN ARROYO U 42	891003589A	UTU63022X		500	NESE	30	16S-26E
35	AUGUSTUS ENERGY PARTNERS LLC	43-019-31291-00-00	SAN ARROYO U 43	891003589A	UTU63022X		500	NESE	29	16S-26E
36	AUGUSTUS ENERGY PARTNERS LLC	43-019-31299-00-00	SAN ARROYO 45	891003589A	UTU63022X		500	NWSE	20	16S-26E
37	AUGUSTUS ENERGY PARTNERS LLC	43-019-31301-00-00	SAN ARROYO 44	891003589A	UTU63022X		500	SENE	30	16S-26E
38	AUGUSTUS ENERGY PARTNERS LLC	43-019-31316-00-00	SAN ARROYO 49	891003589A	UTU63022X		500	NENW	29	16S-26E
39	AUGUSTUS ENERGY PARTNERS LLC	43-019-31580-00-00	SAN ARROYO 1625-220	891003598B	UTU63022X		505	SWSE	22	16S-25E
40	AUGUSTUS ENERGY PARTNERS LLC	43-019-31250-00-00	SAN ARROYO U 40	891003598B	UTU63022X		505	NWNE	27	16S-25E
41	AUGUSTUS ENERGY PARTNERS LLC	43-019-31318-00-00	FEDERAL 47	891003589A	UTU63022X		500	NWNE	31	16S-26E
44	AUGUSTUS ENERGY PARTNERS LLC	43-019-15884-00-00	FEDERAL 174 1	UTU126528		NW115	8340	SESW	11	16S-25E
42	AUGUSTUS ENERGY PARTNERS LLC	43-047-30765-00-00	BLACK HORSE CANYON FED 31-1	UTU14234			8345	NWSW	31	15S-24E
43	AUGUSTUS ENERGY PARTNERS LLC	43-019-11089-00-00	FEDERAL GILBERT 1	UTU0125628			8341	SWNE	11	16S-25E

	Current Operator	API Well Number	Well Name	Lease #	Unit #	CA #	Entity #	Qtr/Qtr	Sec	TwnsHP-Rng
45	AUGUSTUS ENERGY PARTNERS LLC	43-019-30570-00-00	ARCO 27-1	UTU29645			11595	NWSW	27	16S-25E
46	AUGUSTUS ENERGY PARTNERS LLC	43-019-30047-00-00	BITTER CREEK 1				515	SWSE	2	16S-25E
47	AUGUSTUS ENERGY PARTNERS LLC	43-019-30240-00-00	ARCO-STATE 2-1				520	NESE	2	16S-24E
48	AUGUSTUS ENERGY PARTNERS LLC	43-019-30241-00-00	ARCO-STATE 2-2				520	NWNW	2	16S-24E
49	AUGUSTUS ENERGY PARTNERS LLC	43-019-31162-00-00	ARCO STATE 36-7				9710	SWSE	36	15.5S-24E
50	AUGUSTUS ENERGY PARTNERS LLC	43-019-31192-00-00	ARCO STATE 36-8				9710	SWSW	36	15.5S-24E

Division of Oil, Gas and Mining  
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 11/1/2014

FORMER OPERATOR:	NEW OPERATOR:
Southwestern Energy Ventures Company, LLC N4035 2154 W Eisenhower Blvd Loveland, CO 80537 970-669-7411	SWEVCO-SABW, LLC N4155 2154 W Eisenhower Blvd Loveland, CO 80537 970-669-7411
CA Number(s):	San Arroyo

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2014
- Sundry or legal documentation was received from the **NEW** operator on: 10/21/2014
- New operator Division of Corporations Business Number: 8820416-0161

**REVIEW:**

- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
- Reports current for Production/Disposition & Sundries: 10/27/2014
- OPS/SI/TA well(s) reviewed for full cost bonding: 10/27/2014
- UIC5 on all disposal/injection/storage well(s) approved on: N/A
- Surface Facility(s) included in operator change: None
- Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: RLB0015753
- Indian well(s) covered by Bond Number: RLB0015753
- State/fee well(s) covered by Bond Number(s): RLB0015799

**DATA ENTRY:**

- Well(s) update in the **OGIS** on: 11/3/2014
- Entity Number(s) updated in **OGIS** on: 11/3/2014
- Unit(s) operator number update in **OGIS** on: 11/3/2014
- Surface Facilities update in **OGIS** on: N/A
- State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/3/2014
- Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/3/2014

**COMMENTS:**

---

Southwestern Energy Ventures Company, LLC to SWEVCO-SABW, LLC  
 Effective November 1, 2014

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status	Unit
ARCO 27-1	27	160S	250E	4301930570	11595	Federal	Federal	GW	P	
BLACK HORSE CANYON FED 31-1	31	150S	240E	4304730765	8345	Federal	Federal	GW	P	
FEDERAL 174 1	11	160S	250E	4301915884	8340	Federal	Federal	GW	P	
FEDERAL GILBERT 1	11	160S	250E	4301911089	8341	Federal	Federal	GW	P	
ARCO STATE 36-7	36	155S	240E	4301931162	9710	State	State	GW	P	
ARCO-STATE 2-1	2	160S	240E	4301930240	520	State	State	GW	P	
ARCO-STATE 2-2	2	160S	240E	4301930241	520	State	State	GW	P	
BITTER CREEK 1	2	160S	250E	4301930047	515	State	State	GW	P	
BAR X UNIT 11	18	170S	260E	4301930592	19413	Federal	Federal	GW	S	
BAR X UNIT 25	12	170S	250E	4301931371	19414	Federal	Federal	GW	S	
BAR X UNIT 4	18	170S	260E	4301915023	19412	Federal	Federal	GW	S	
ARCO STATE 36-8	36	155S	240E	4301931192	9710	State	State	GW	S	
FEDERAL 47	31	160S	260E	4301931318	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 12	23	160S	250E	4301915893	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 13	22	160S	250E	4301915894	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 16	26	160S	250E	4301915896	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 17	24	160S	250E	4301915897	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 18	30	160S	260E	4301915898	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 19	14	160S	250E	4301915899	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 20	26	160S	250E	4301915900	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 21	25	160S	250E	4301915901	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 22	15	160S	250E	4301915902	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 24	19	160S	260E	4301915903	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 25	21	160S	250E	4301915904	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 26	20	160S	260E	4301915905	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 27	29	160S	260E	4301915906	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 28	29	160S	260E	4301915907	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 3	23	160S	250E	4301915886	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 30	21	160S	260E	4301915909	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 33	25	160S	250E	4301930608	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 4	30	160S	260E	4301915887	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 44	30	160S	260E	4301931301	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 45	20	160S	260E	4301931299	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 49	29	160S	260E	4301931316	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 9	27	160S	250E	4301915891	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 35	24	160S	250E	4301911090	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 36-A	19	160S	260E	4301931251	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 37	20	160S	260E	4301931252	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 42	30	160S	260E	4301931290	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 43	29	160S	260E	4301931291	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 8	16	160S	250E	4301915890	500	Federal	State	GW	P	SAN ARROYO
SAN ARROYO U 38	16	160S	250E	4301931253	500	State	State	GW	P	SAN ARROYO
SAN ARROYO U 41	36	160S	250E	4301931289	500	State	Fee	GW	P	SAN ARROYO
SAN ARROYO 1	26	160S	250E	4301916532	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 11	15	160S	250E	4301915892	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 1625-220	22	160S	250E	4301931580	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 2	22	160S	250E	4301915885	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 29	22	160S	250E	4301915908	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 31	22	160S	250E	4301930527	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 32	14	160S	250E	4301930528	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 5	25	160S	250E	4301915888	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 6	21	160S	250E	4301915889	505	Federal	Federal	GW	S	SAN ARROYO

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See Attached</b>
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: <b>See Attached</b>
2. NAME OF OPERATOR: <b>SOUTHWESTERN ENERGY VENTURES COMPANY, LLC Operator #N4035</b>		8. WELL NAME and NUMBER: <b>See Attached</b>
3. ADDRESS OF OPERATOR: 2154 W. Eisenhower Blvd. CITY Loveland STATE CO ZIP 80537		9. API NUMBER: <b>Attached</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See Attached</b>		10. FIELD AND POOL, OR WILDCAT:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: <b>See Attached</b>
		STATE: <b>UTAH</b>

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 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 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.

Please see attached list of wells, transferring operations to new operator SWEVCO-SABW, LLC #N4155

NAME (PLEASE PRINT) <u>Ezra Lee</u>	TITLE <u>President, Southwestern Energy Ventures Comp.</u>
SIGNATURE	DATE <u>10-16-14</u>

(This space for State use only)

**APPROVED**

**NOV 03 2014**

DIV. OIL GAS & MINING (See Instructions on Reverse Side)

BY: Rachel Medina

**RECEIVED**  
**OCT 21 2014**

DIV. OF OIL, GAS & MINING

UTAH																									
API Well Number	Well Name	Operator	Well Status	Well Type	WI	NRI	RI	OR	Field Name/Unit #	Surface Ownership	Mineral Lease	Lease Number	County	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude	Elev. GR	TD	Unit #	PUMPER	
<b>OPERATED</b>																									
<b>Outside the Unit</b>																									
43-019-30570	ARCO STATE 27-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	Federal	Federal	U-29645	GRAND	NWSW	27	16S-25E	1787	S	1200	W	39.3846	-109.14821	6740	5700	Chris
43-019-31162	ARCO STATE 36-7	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSE	36	15.5S-24E	540	S	1550	E	39.45341	-109.21341	8319	7945	Chris
43-019-31192	ARCO STATE 36-8	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSW	36	15.5S-24E	945	S	850	W	39.54688	-109.22361	7789	7490	Chris
43-019-30240	ARCO STATE 2-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NESE	2	16S-24E	2194	S	991	E	39.44346	-109.23015	8443	7600	Chris
43-019-30241	ARCO STATE 2-2	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NWNW	2	16S-24E	769	N	857	W	39.44995	-109.24212	7886	7250	Chris
43-019-30047	BITTER CREEK 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	State	State	ML-25151	GRAND	SWSE	2	16S-25E	395	S	2530	E	39.4387	-109.12413	7375	6658	Chris
43-047-30765	BLACK HORSE CANYON FED 31-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	BLACK HORSE CYN	Federal	Federal	U-14234	UINTAH	NWSW	31	15S-24E	1820	S	500	W	39.46736	-109.28001	8262	7910	Chris
43-019-15884	FEDERAL 174 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84875000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SESW	11	16S-25E	1285	S	2090	W	39.42669	-109.1264	6577	5299	Chris
43-019-11089	FEDERAL GILBERT 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SWNE	11	16S-25E	1700	N	1830	E	39.4329	-109.12144	7001	6200	Chris
43-019-15023	BAR X UNIT 4	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NENE	18	17S-26E	660	N	660	E	39.33379	-109.07281	5146	3599	Chris
43-019-30592	BAR X UNIT 11	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NWNW	18	17S-26E	1319	N	1285	W	39.33203	-109.08486	5200	3466	Chris
43-019-31371	BAR X UNIT 25	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064806	GRAND	NWSE	12	17S-25E	1384	S	2165	E	39.33965	-109.09684	5273	3742	Chris
<b>San Arroyo Unit</b>																									
43-019-16532	SAN ARROYO 1	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENW	26	16S-25E	1712	N	2566	W	39.38943	-109.12453	6033	5065	Chris
43-019-15892	SAN ARROYO 11	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05059C	GRAND	NESW	15	16S-25E	1760	S	1990	W	39.41349	-109.14544	7524	6367	Chris
43-019-15893	SAN ARROYO 12	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SWSW	23	16S-25E	1140	S	1220	W	39.39734	-109.12949	6507	4731	Chris
43-019-15894	SAN ARROYO 13	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	C-SW	22	16S-25E	1320	S	1320	W	39.39783	-109.14783	7592	6260	Chris
43-019-15896	SAN ARROYO 16	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	26	16S-25E	1125	S	1790	W	39.38276	-109.12746	5922	4884	Chris
43-019-15897	SAN ARROYO 17	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25243	GRAND	NENE	24	16S-25E	660	N	940	E	39.40676	-109.09956	5983	5003	Chris
43-019-15898	SAN ARROYO 18	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNW	30	16S-26E	660	N	990	W	39.39241	-109.09272	5778	4128	Chris
43-019-15899	SAN ARROYO 19	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSE	14	16S-25E	820	S	1610	E	39.41086	-109.12089	6305	5200	Chris
43-019-15885	SAN ARROYO 2	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0370A	GRAND	SENW	22	16S-25E	2420	N	2430	W	39.40199	-109.14379	7752	6826	Chris
43-019-15900	SAN ARROYO 20	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENE	26	16S-25E	1380	N	170	E	39.39025	-109.11553	6855	5457	Chris
43-019-15901	SAN ARROYO 21	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2066	S	2340	E	39.3853	-109.1047	5878	4299	Chris
43-019-15902	SAN ARROYO 22	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011A	GRAND	NENE	15	16S-25E	1210	N	990	E	39.41968	-109.13711	6480	5500	Chris
43-019-15903	SAN ARROYO 24	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06188	GRAND	SENW	19	16S-26E	2450	N	1495	W	39.40194	-109.09106	6023	4815	Chris
43-019-15904	SAN ARROYO 25	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25244	GRAND	SWNE	21	16S-25E	1520	N	1805	E	39.40437	-109.15872	7599	5894	Chris
43-019-15905	SAN ARROYO 26	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25297	GRAND	SWSW	20	16S-26E	660	S	660	W	39.39603	-109.07543	5800	4800	Chris
43-019-15906	SAN ARROYO 27	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06021	GRAND	NESW	29	16S-26E	1990	S	2100	W	39.3851	-109.07027	5584		Chris
43-019-15907	SAN ARROYO 28	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-5650	GRAND	NWNE	29	16S-26E	660	N	1980	E	39.39225	-109.06591	5690	4260	Chris
43-019-15908	SAN ARROYO 29	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	NENE	22	16S-25E	1300	N	195	E	39.40492	-109.13429	6849	5200	Chris
43-019-15886	SAN ARROYO 3	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	SENW	23	16S-25E	1425	N	1450	W	39.40481	-109.12847	6474	5460	Chris
43-019-15909	SAN ARROYO 30	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSW	21	16S-26E	2600	S	900	W	39.40124	-109.05587	5481	4293	Chris
43-019-30527	SAN ARROYO 31	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNW	22	16S-25E	1111	N	913	W	39.40567	-109.14907	7742	6071	Chris
43-019-30528	SAN ARROYO 32	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSW	14	16S-25E	678	S	370	W	39.41086	-109.13255	6325	4964	Chris
43-019-30608	SAN ARROYO 33	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SWSW	25	16S-25E	634	S	728	W	39.3815	-109.1126	5966	4600	Chris
43-019-15887	SAN ARROYO 4	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	30	16S-26E	1080	S	1800	W	39.38264	-109.09012	5735	4860	Chris
43-019-31301	SAN ARROYO 44*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-06023	GRAND	SENE	30	16S-26E	1342	N	741	E	39.39033	-109.08018		5020	Chris
43-019-31299	SAN ARROYO 45*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSE	20	16S-26E	1482	S	1866	E	39.39813	-109.06575		4786	Chris
43-01931318-	SAN ARROYO 47*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNE	31	16S-26E	600	N	1400	E	39.3779	-109.08244		4505	Chris
43-019-31316	SAN ARROYO 49*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-025245	GRAND	NENW	29	16S-26E	1300	N	1666	W	39.39059	-109.07165		4835	Chris
43-019-15888	SAN ARROYO 5	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2030	S	2290	E	39.3852	-109.10452	5878	4940	Chris
43-019-15889	SAN ARROYO 6	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-025244	GRAND	SWNE	21	16S-25E	1940	N	1695	E	39.40321	-109.15836	7588	6510	Chris
43-019-15890	SAN ARROYO 8	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	State	Federal	U-0369	GRAND	SWSW	16	16S-25E	1110	S	1310	W	39.41172	-109.16659	7350	5870	Chris
43-019-15891	SAN ARROYO 9	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNE	27	16S									

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**See Attached**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:  
**See Attached**

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**See Attached**

2. NAME OF OPERATOR:  
**SWEVCO-SABW, LLC** Operator #N4155

9. API NUMBER:  
**Attached**

3. ADDRESS OF OPERATOR:  
2154 W. Eisenhower Blvd. CITY Loveland STATE CO ZIP 80537

PHONE NUMBER:  
**(970) 669-7411**

10. FIELD AND POOL, OR WILDCAT:

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 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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.

Please see attached list of wells, taking over as operator from Southwestern Energy Ventures Company, LLC #N4035  
 Effective date: November 1, 2014  
 BLM Bond: RLB 0015753  
 State Bond: RLB0015799

NAME (PLEASE PRINT) Kellie Diffendaffer TITLE Accounting Manager  
 SIGNATURE *Kellie Diffendaffer* DATE 10/14/14

(This space for State use only)

**RECEIVED**  
OCT 21 2014

**APPROVED**  
NOV 03 2014  
DIV. OIL GAS & MINING  
BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

UTAH																									
API Well Number	Well Name	Operator	Well Status	Well Type	WI	NRI	RI	OR	Field Name/Unit #	Surface Ownership	Mineral Lease	Lease Number	County	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude	Elev. GR	TD	Unit #	PUMPER	
<b>OPERATED</b>																									
<b>Outside the Unit</b>																									
43-019-30570	ARCO 27-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	Federal	Federal	U-29645	GRAND	NWSW	27	16S-25E	1787	S	1200	W	39.3846	-109.14821	6740	5700	Chris
43-019-31162	ARCO STATE 36-7	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSE	36	15.5S-24E	540	S	1550	E	39.45341	-109.21341	8319	7945	Chris
43-019-31192	ARCO STATE 36-8	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSW	36	15.5S-24E	945	S	850	W	39.45468	-109.22361	7789	7490	Chris
43-019-30240	ARCO STATE 2-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NESE	2	16S-24E	2194	S	991	E	39.44346	-109.23015	8443	7600	Chris
43-019-30241	ARCO STATE 2-2	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NWNW	2	16S-24E	769	N	857	W	39.44995	-109.24212	7886	7250	Chris
43-019-30047	BITTER CREEK 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	State	State	ML-25151	GRAND	SWSE	2	16S-25E	395	S	2530	E	39.4387	-109.12413	7375	6658	Chris
43-047-30765	BLACK HORSE CANYON FED 31-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	BLACK HORSE CYN	Federal	Federal	U-14234	UINTAH	NWSW	31	15S-24E	1820	S	500	W	39.46736	-109.28001	8262	7910	Chris
43-019-15884	FEDERAL 174 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84875000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SESW	11	16S-25E	1285	S	2090	W	39.42669	-109.1264	6577	5299	Chris
43-019-11089	FEDERAL GILBERT 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SWNE	11	16S-25E	1700	N	1830	E	39.4329	-109.12144	7001	6200	Chris
43-019-15023	BAR X UNIT 4	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NENE	18	17S-26E	660	N	660	E	39.33379	-109.07281	5146	3599	Chris
43-019-30592	BAR X UNIT 11	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NWNW	18	17S-26E	1319	N	1285	W	39.33203	-109.08486	5200	3466	Chris
43-019-31371	BAR X UNIT 25	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064806	GRAND	NWSE	12	17S-25E	1384	S	2165	E	39.33965	-109.09684	5273	3742	Chris
<b>San Arroyo Unit</b>																									
43-019-16532	SAN ARROYO 1	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-071307	GRAND	SESW	26	16S-25E	1712	N	2566	W	39.38943	-109.12453	6033	5065	Chris
43-019-15892	SAN ARROYO 11	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05059C	GRAND	NESE	15	16S-25E	1760	S	1990	W	39.41349	-109.14544	7524	6367	Chris
43-019-15893	SAN ARROYO 12	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SWSW	23	16S-25E	1140	S	1220	W	39.39734	-109.12949	6507	4731	Chris
43-019-15894	SAN ARROYO 13	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	C-SW	22	16S-25E	1320	S	1320	W	39.39783	-109.14783	7592	6260	Chris
43-019-15896	SAN ARROYO 16	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	26	16S-25E	1125	S	1790	W	39.38276	-109.12746	5922	4884	Chris
43-019-15897	SAN ARROYO 17	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25243	GRAND	NENE	24	16S-25E	660	N	940	E	39.40676	-109.09956	5983	5003	Chris
43-019-15898	SAN ARROYO 18	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNW	30	16S-26E	660	N	990	W	39.39241	-109.09272	5778	4128	Chris
43-019-15899	SAN ARROYO 19	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSE	14	16S-25E	820	S	1610	E	39.41086	-109.12089	6305	5200	Chris
43-019-15885	SAN ARROYO 2	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0370A	GRAND	SESW	22	16S-25E	2420	N	2430	W	39.40199	-109.14379	7752	6826	Chris
43-019-15900	SAN ARROYO 20	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENE	26	16S-25E	1360	N	170	E	39.39025	-109.11553	6855	5457	Chris
43-019-15901	SAN ARROYO 21	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2066	S	2340	E	39.3853	-109.1047	5878	4299	Chris
43-019-15902	SAN ARROYO 22	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011A	GRAND	NENE	15	16S-25E	1210	N	990	E	39.41968	-109.13711	6480	5500	Chris
43-019-15903	SAN ARROYO 24	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06188	GRAND	SESW	19	16S-26E	2450	N	1495	W	39.40194	-109.09106	6023	4815	Chris
43-019-15904	SAN ARROYO 25	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25244	GRAND	SWNE	21	16S-25E	1520	N	1805	E	39.40437	-109.15872	7599	5894	Chris
43-019-15905	SAN ARROYO 26	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25297	GRAND	SWSW	20	16S-26E	660	S	660	W	39.39603	-109.07543	5800	4800	Chris
43-019-15906	SAN ARROYO 27	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06021	GRAND	NESE	29	16S-26E	1990	S	2100	W	39.3851	-109.07027	5584		Chris
43-019-15907	SAN ARROYO 28	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-5650	GRAND	NWNE	29	16S-26E	660	N	1980	E	39.39225	-109.06591	5690	4260	Chris
43-019-15908	SAN ARROYO 29	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	NENE	22	16S-25E	1300	N	195	E	39.40492	-109.13429	6849	5200	Chris
43-019-15886	SAN ARROYO 3	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	SESW	23	16S-25E	1425	N	1450	W	39.40481	-109.12847	6474	5460	Chris
43-019-15909	SAN ARROYO 30	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSW	21	16S-26E	2600	S	900	W	39.40124	-109.05587	5481	4293	Chris
43-019-30527	SAN ARROYO 31	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNW	22	16S-25E	1111	N	913	W	39.40567	-109.14907	7742	6071	Chris
43-019-30528	SAN ARROYO 32	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSW	14	16S-25E	678	S	370	W	39.41066	-109.13255	6325	4964	Chris
43-019-30608	SAN ARROYO 33	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SWSW	25	16S-25E	634	S	728	W	39.3815	-109.1126	5966	4600	Chris
43-019-15887	SAN ARROYO 4	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	30	16S-26E	1080	S	1800	W	39.38264	-109.09012	5735	4860	Chris
43-019-31301	SAN ARROYO 44*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-06023	GRAND	SENE	30	16S-26E	1342	N	741	E	39.39033	-109.08018		5020	Chris
43-019-31299	SAN ARROYO 45*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSE	20	16S-26E	1482	S	1866	E	39.39813	-109.06575		4786	Chris
43-01931318-	SAN ARROYO 47*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNE	31	16S-26E	600	N	1400	E	39.3779	-109.08244		4505	Chris
43-019-31316	SAN ARROYO 49*	SWEVCO-SABW	Producing	Gas Well	0.2429414	0.20026781	-	0.00240052	SAN ARROYO	Federal	Federal	U-025245	GRAND	NENW	29	16S-26E	1300	N	1666	W	39.39059	-109.07165		4835	Chris
43-019-15888	SAN ARROYO 5	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2030	S	2290	E	39.3852	-109.10452	5878	4940	Chris
43-019-15889	SAN ARROYO 6	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-025244	GRAND	SWNE	21	16S-25E	1940	N	1695	E	39.40321	-109.15836	7588	6510	Chris
43-019-15890	SAN ARROYO 8	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	State	Federal	U-0369	GRAND	SWSW	16	16S-25E	1110	S	1310	W	39.41172	-109.16659	7350	5870	Chris
43-019-15891	SAN ARROYO 9	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNE	27	16S-									

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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: TIN CUP MESA
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: TIN CUP MESA 1-25
2. NAME OF OPERATOR: MAR/REG OIL COMPANY	9. API NUMBER: 43037306900000
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511	PHONE NUMBER: 755 852-7444 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1950 FNL 0790 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 25 Township: 38.0S Range: 25.0E Meridian: S	9. FIELD and POOL or WILDCAT: TIN CUP MESA  COUNTY: SAN JUAN  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: 4/30/2014	<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Request for Extension"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Request an extension to conduct remedial work. Request extension to April 30, 2015. Operator will monitor casing pressure weekly and file pressure report monthly.

Approved by the  
Utah Division of  
Oil, Gas and Mining

**COPY SENT TO OPERATOR**

Date: 11.3.2014  
Initials: KS

Date: 10/31/14  
By: [Signature]

NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 10/29/2014	