

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
UTU-68548

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
Ashley

8. Lease Name and Well No.
Ashley Federal 6-22-9-15

9. API Well No.
43-013-32857

10. Field and Pool, or Exploratory Monument Butte *W*

11. Sec., T., R., M., or Blk. and Survey or Area
SE/NW Sec. 22, T9S R15E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface SE/NW 1949' FNL 1157' FWL *566550X 4Q 01827*
At proposed prod. zone *4429866Y -110.22017*

14. Distance in miles and direction from nearest town or post office*
Approximatley 16.4 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 495' f/lse, 1157' ft/unit
Approx. 1665'

16. No. of Acres in lease
711.22

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
Approx. 1665'

19. Proposed Depth
6065'

20. BLM/BIA Bond No. on file
UT0056'

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6424' GL

22. Approximate date work will start*
4th Quarter 2005

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 7/22/05

Title Regulatory Specialist

Approved by (Signature) *Bradley Hill* Name (Printed/Typed) BRADLEY G. HILL Date 08-09-05

Title ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED
JUL 26 2005

DIV. OF OIL, GAS & MINING

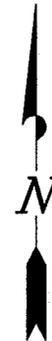
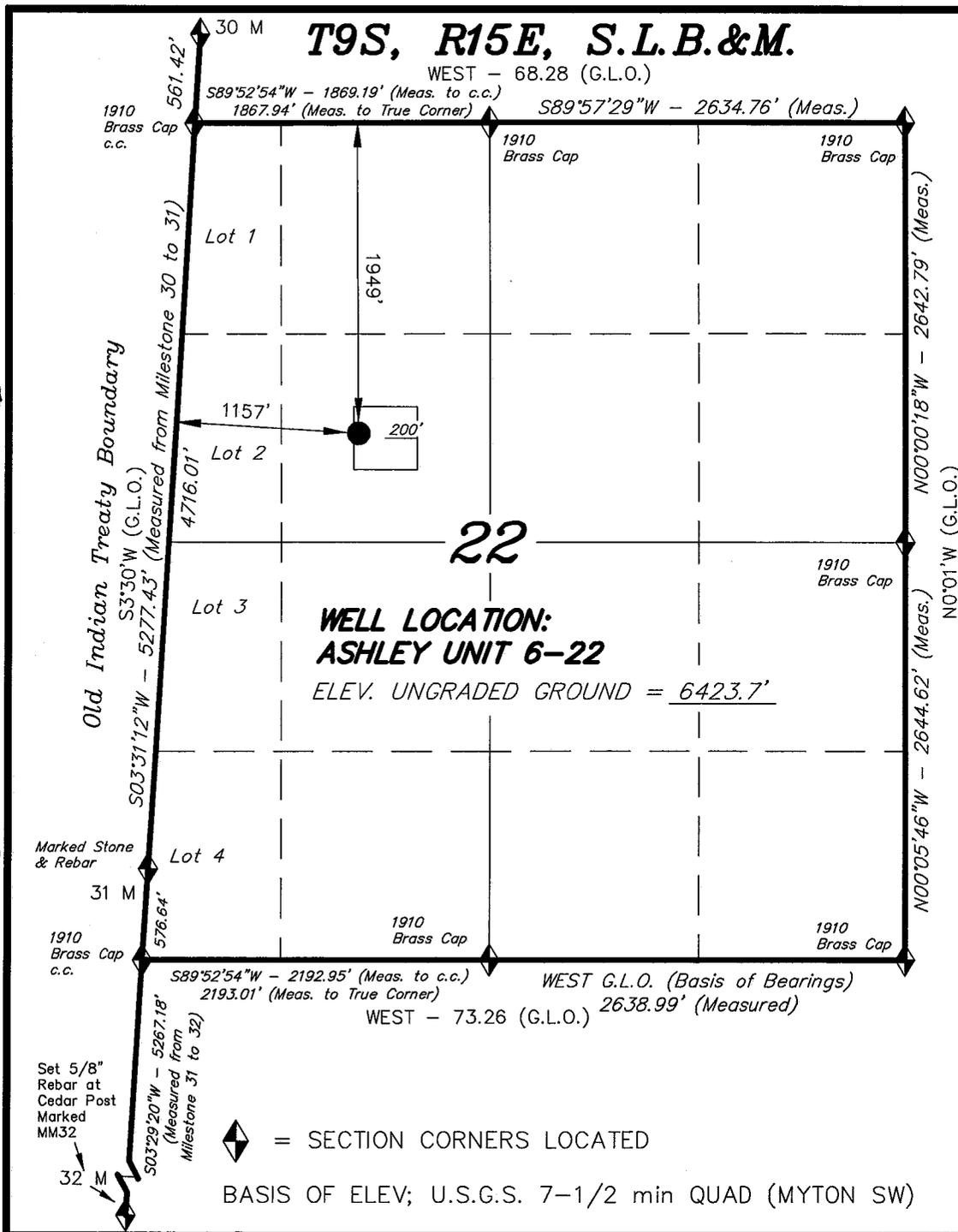
T9S, R15E, S.L.B.&M.

WEST - 68.28 (G.L.O.)

S89°52'54"W - 1869.19' (Meas. to c.c.)
1867.94' (Meas. to True Corner) S89°57'29"W - 2634.76' (Meas.)

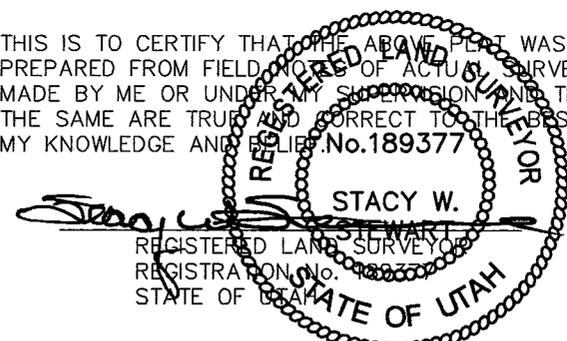
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT 6-22,
LOCATED AS SHOWN IN THE SE 1/4 NW
1/4 OF SECTION 22, T9S, R15E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:
The Well Footages are Measured at
Right angles to the Section line.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD AND OFFICE SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 6-23-05	DRAWN BY: F.T.M.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY
ASHLEY FEDERAL #6-22-9-15
SE/NW SECTION 22, T9S, R15E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 2620'
Green River	2620'
Wasatch	6065'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2620' - 6065' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
ASHLEY FEDERAL #6-22-9-15
SE/NW SECTION 22, T9S, R15E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ashley Federal #6-22-9-15 located in the SE 1/4 NW 1/4 Section 22, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 1.8 miles \pm to its junction with an existing road to the southwest; proceed southwesterly - 13.0 miles \pm to its junction with the beginning of the proposed access road; proceed along the proposed access road 1610' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surfaces equipment will be painted Olive Black.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-59, 9/15/03. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

For the Ashley Federal #6-22-9-15 Newfield Production Company requests 820' of disturbed area be granted in Lease UTU-66185 and 790' of disturbed area be granted in Lease UTU-68548 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 820' of disturbed area be granted in Lease UTU-66185 and 790' of disturbed area be granted in Lease UTU-68548 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Critical Deer and Elk: No new construction or surface disturbing activities will be allowed between December 1 and April 30. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 12 mil liner with felt will be required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Beardless Bluebunch Wheatgrass	<i>Agropyron Spicatum var. Inerme</i>	4 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Winter Fat	<i>Ceratoides Lanata</i>	3 lbs /acre
Black Sage	<i>Artemisia Nova</i>	1 lbs /acre

Details of the On-Site Inspection

The proposed Ashley Federal #6-22-9-15 was on-sited on 6/8/05. The following were present; Shon Mckinnon (Newfeild Production), Brad Mecham (Newfield Production), Byron Tolman (Bureau of Land Management), and Amy Torres (Bureau of Land Management). Weather conditions were clear.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #6-22-9-15 SE/NW Section 22, Township 9S, Range 15E: Lease UTU-68548 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

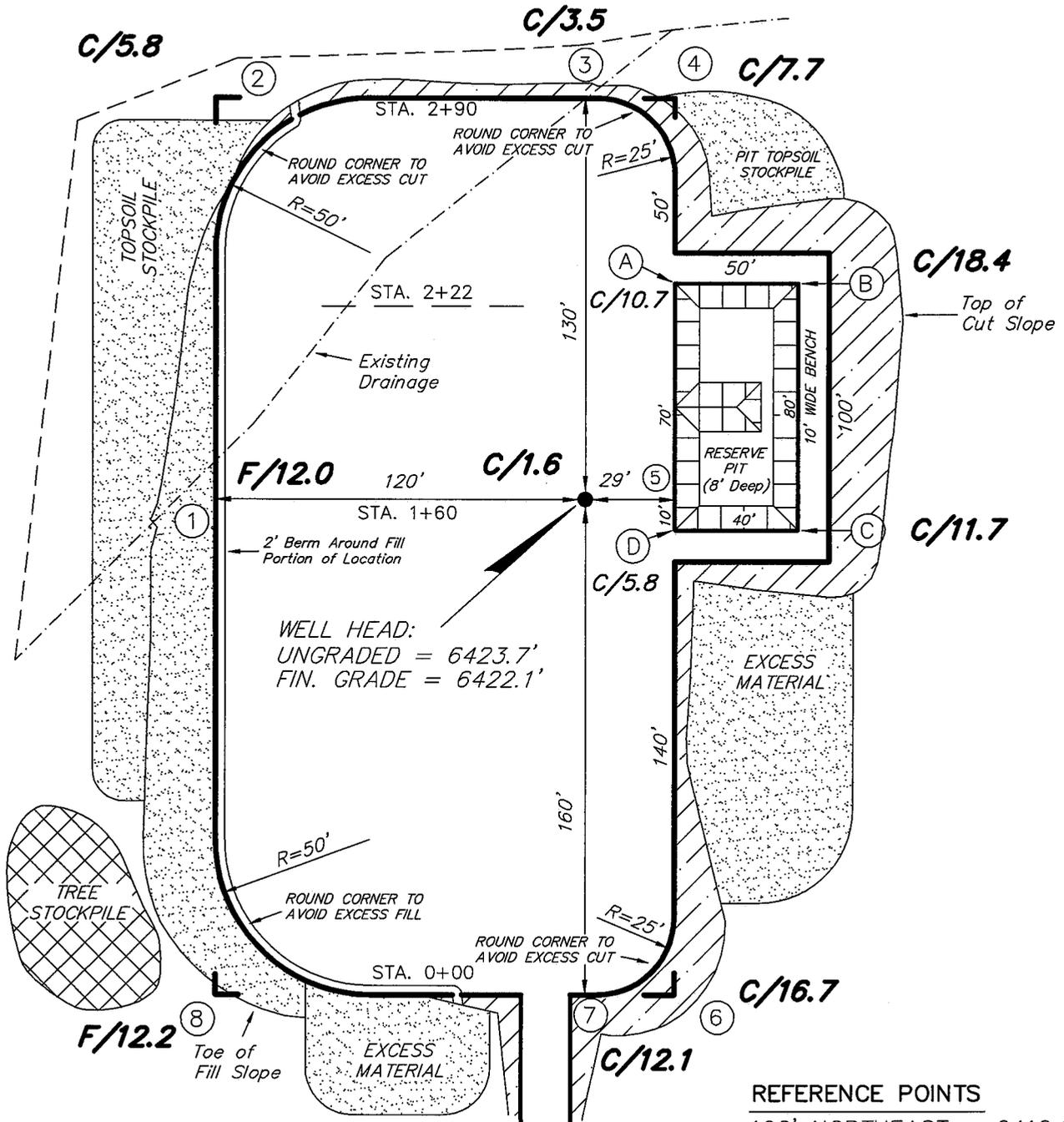
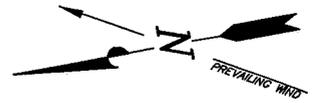
7/22/05
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

ASHLEY UNIT 6-22

Section 22, T9S, R15E, S.L.B.&M.



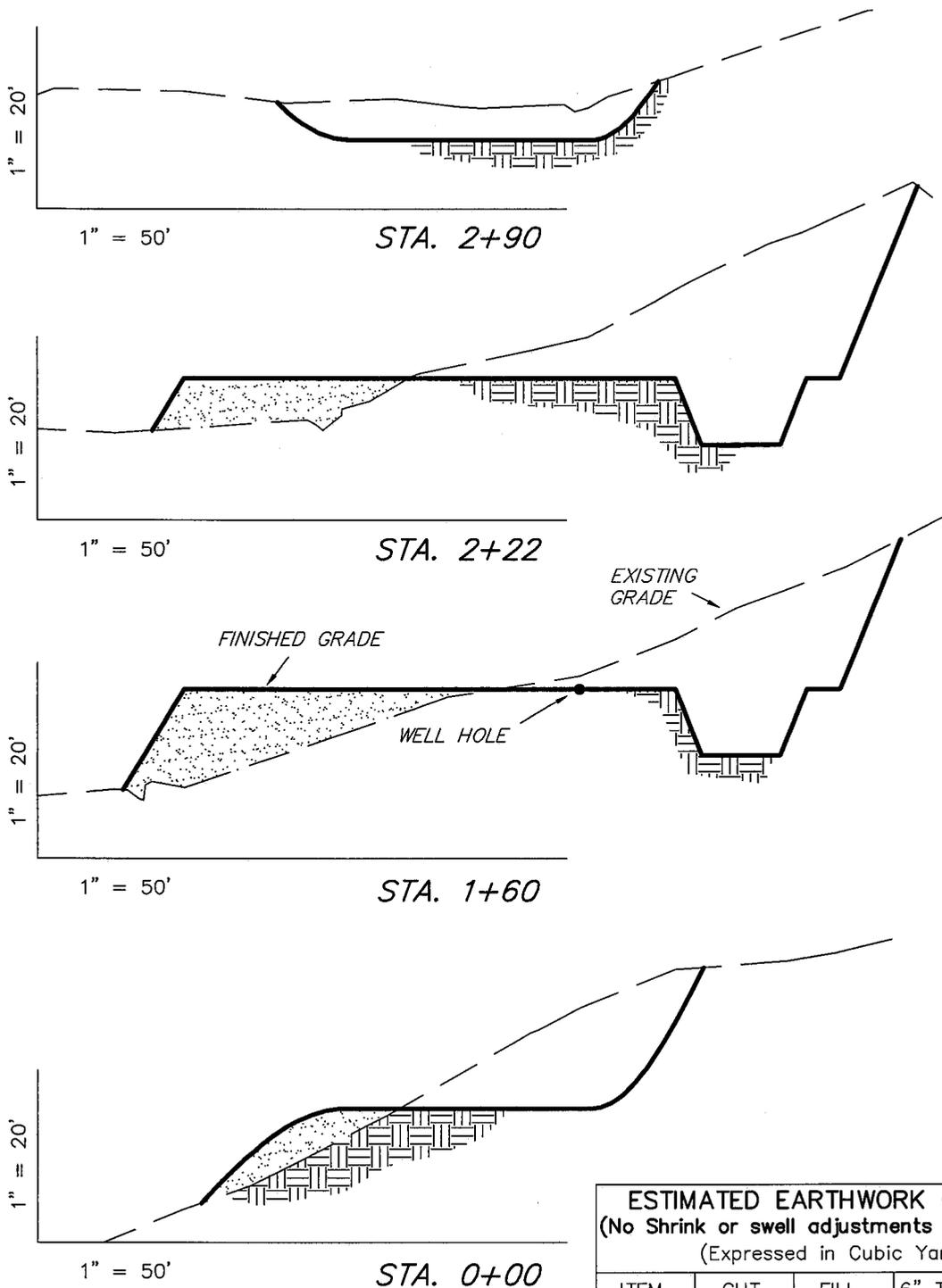
WELL HEAD:
 UNGRADED = 6423.7'
 FIN. GRADE = 6422.1'

- REFERENCE POINTS**
- 190' NORTHEAST = 6410.6'
 - 220' NORTHEAST = 6409.3'
 - 180' SOUTHEAST = 6432.2'
 - 230' SOUTHEAST = 6440.1'

SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 6-23-05

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
CROSS SECTIONS
ASHLEY UNIT 6-22



NOTE:
 UNLESS OTHERWISE NOTED
 CUT SLOPES ARE AT 1:1
 FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,460	5,870	Topsoil is not included in Pad Cut	590
PIT	640	0		640
TOTALS	7,100	5,870	1,090	1,230

SURVEYED BY: D.P.

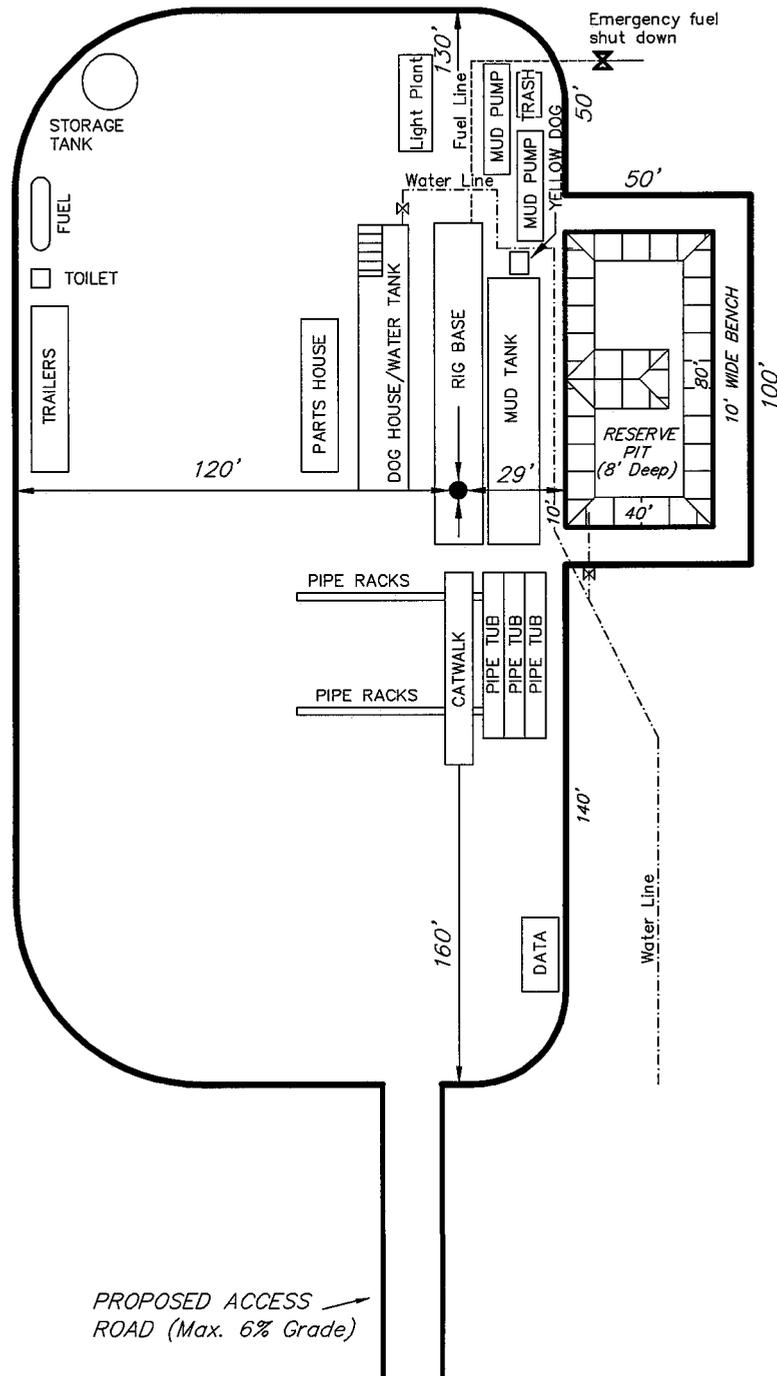
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 6-23-05

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
ASHLEY UNIT 6-22



PROPOSED ACCESS ROAD (Max. 6% Grade) →

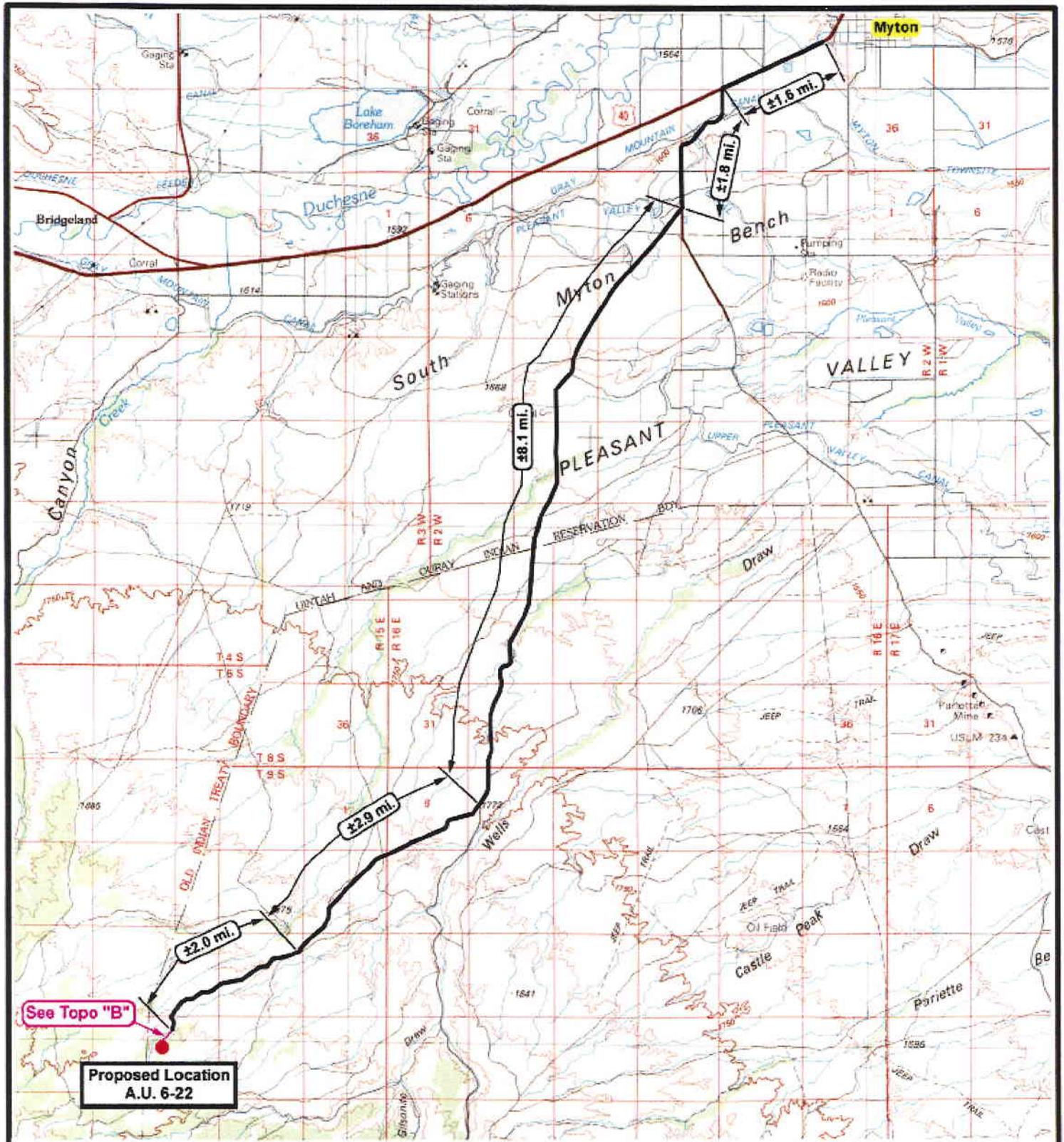
SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 6-23-05


Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501




NEWFIELD
 Exploration Company

Ashley Unit 6-22-9-15
SEC. 22, T9S, R15E, S.L.B.&M.




Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: mw
 DATE: 06-27-2005

Legend

 Existing Road
 Proposed Access

TOPOGRAPHIC MAP
"A"

UTU-66184

9S/15E

U-02458

UTU-66185

15 15

14 14

13 13

U
0
2
4
5
8

U-027345

UTU-74827

17 17

26 26

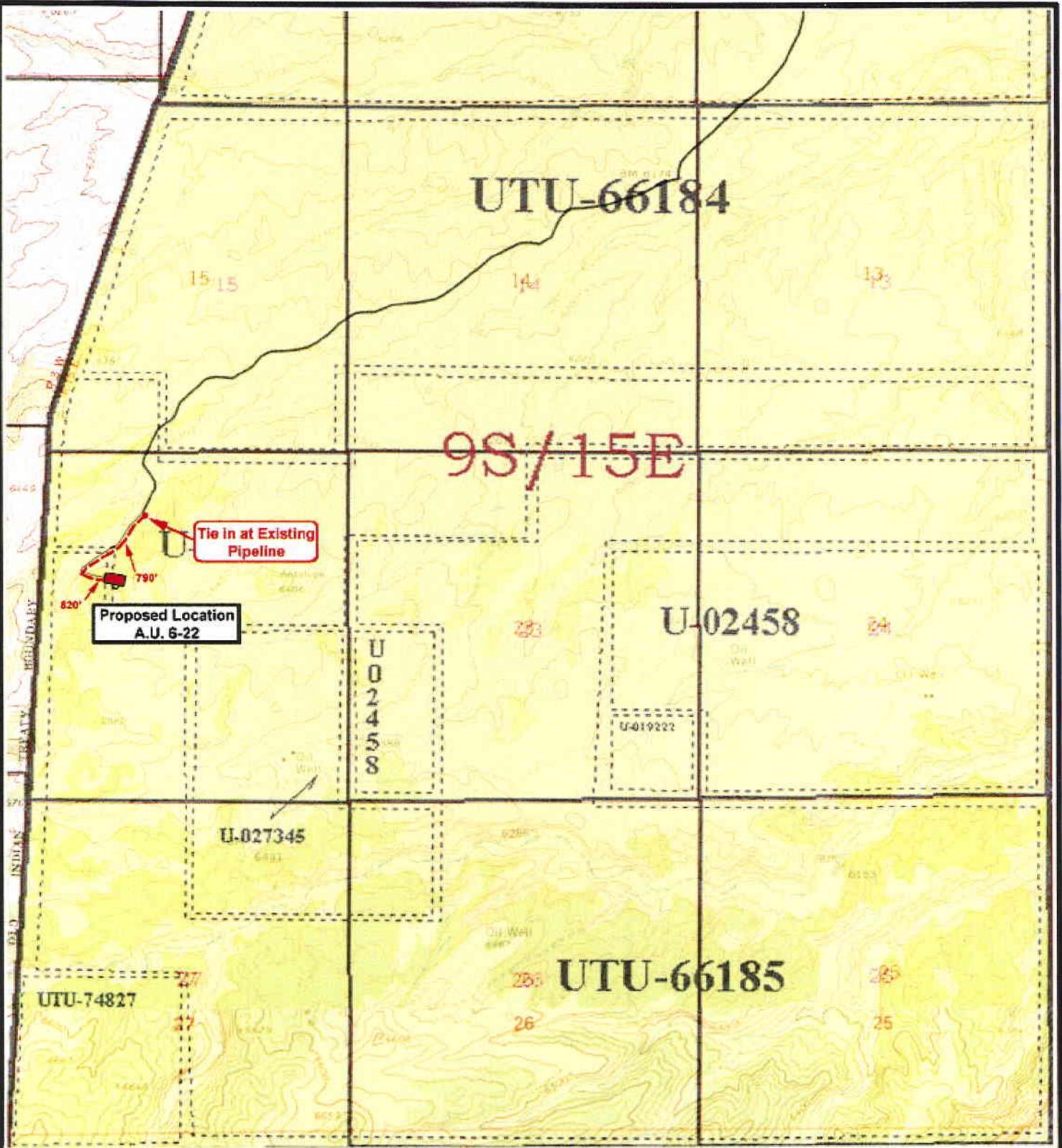
25 25

Tie in at Existing Pipeline

Proposed Location
A.U. 6-22

790'

820'



NEWFIELD
Exploration Company

Ashley Unit 6-22-9-15
SEC. 22, T9S, R15E, S.L.B.&M.



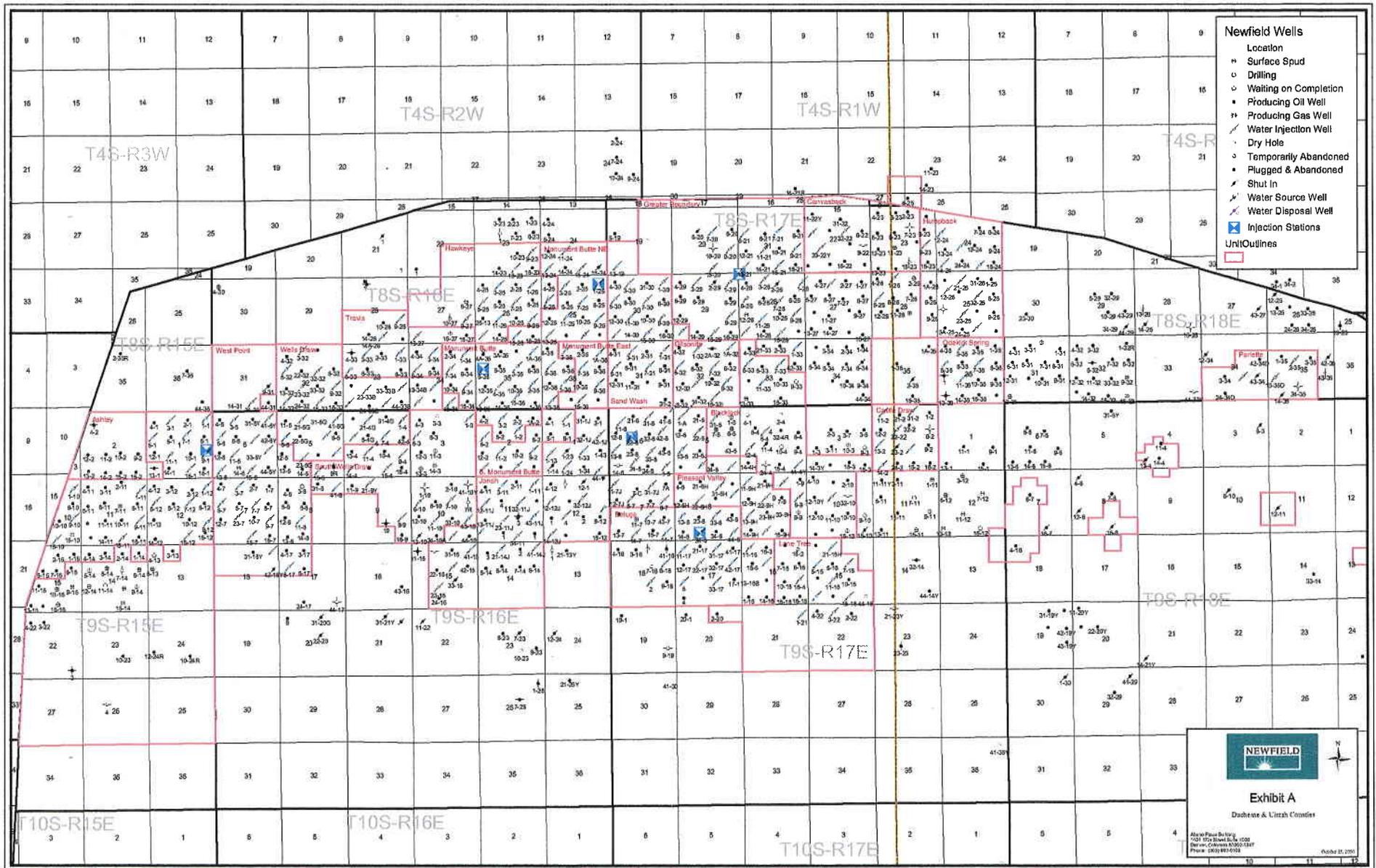
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

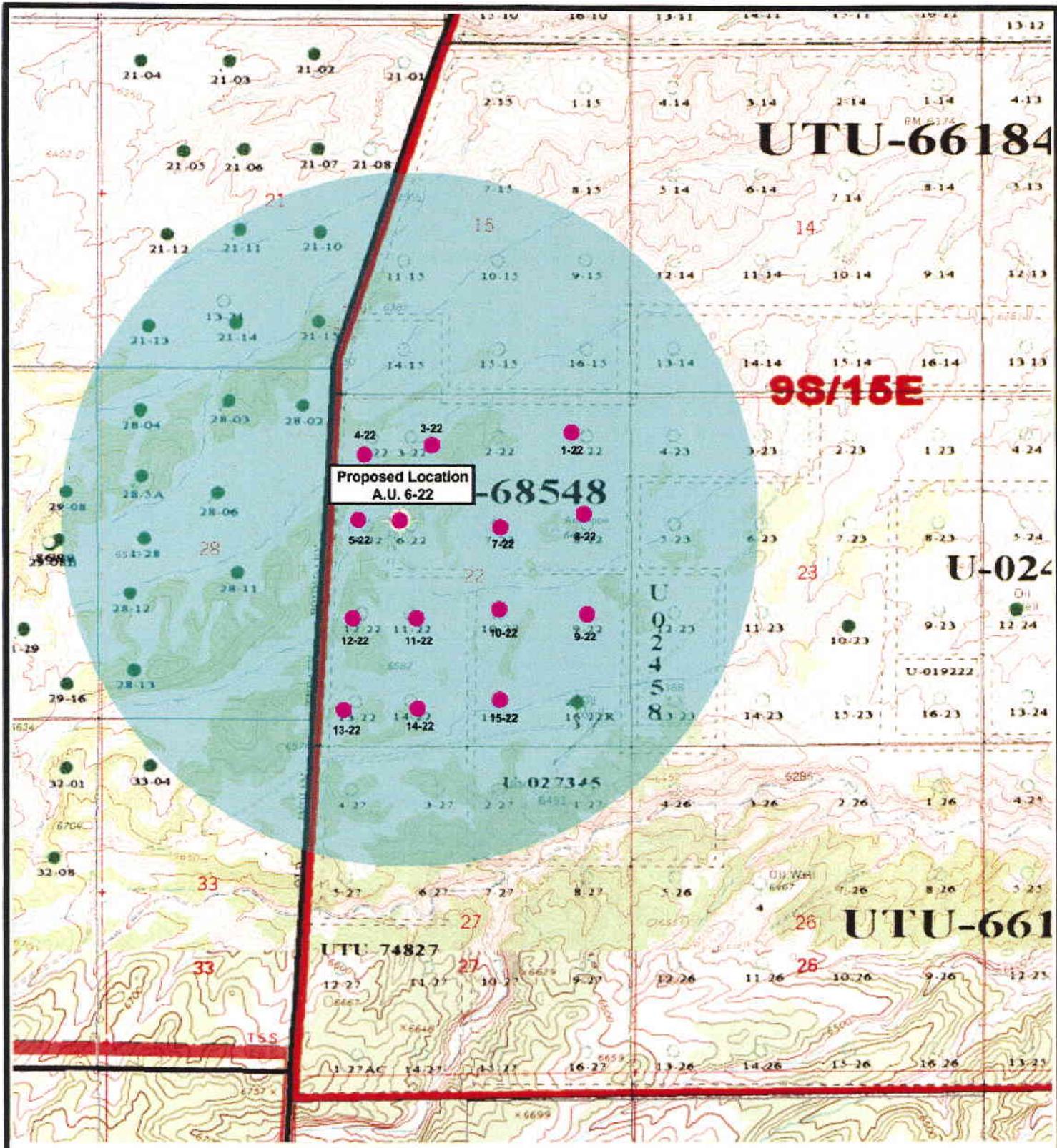
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 06-27-2005

Legend

- Roads
- Proposed Gas Line

TOPOGRAPHIC MAP
"C"





NEWFIELD
Exploration Company

Ashley Unit 6-22-9-15
SEC. 22, T9S, R15E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84076

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 06-27-2005

Legend

- Proposed Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

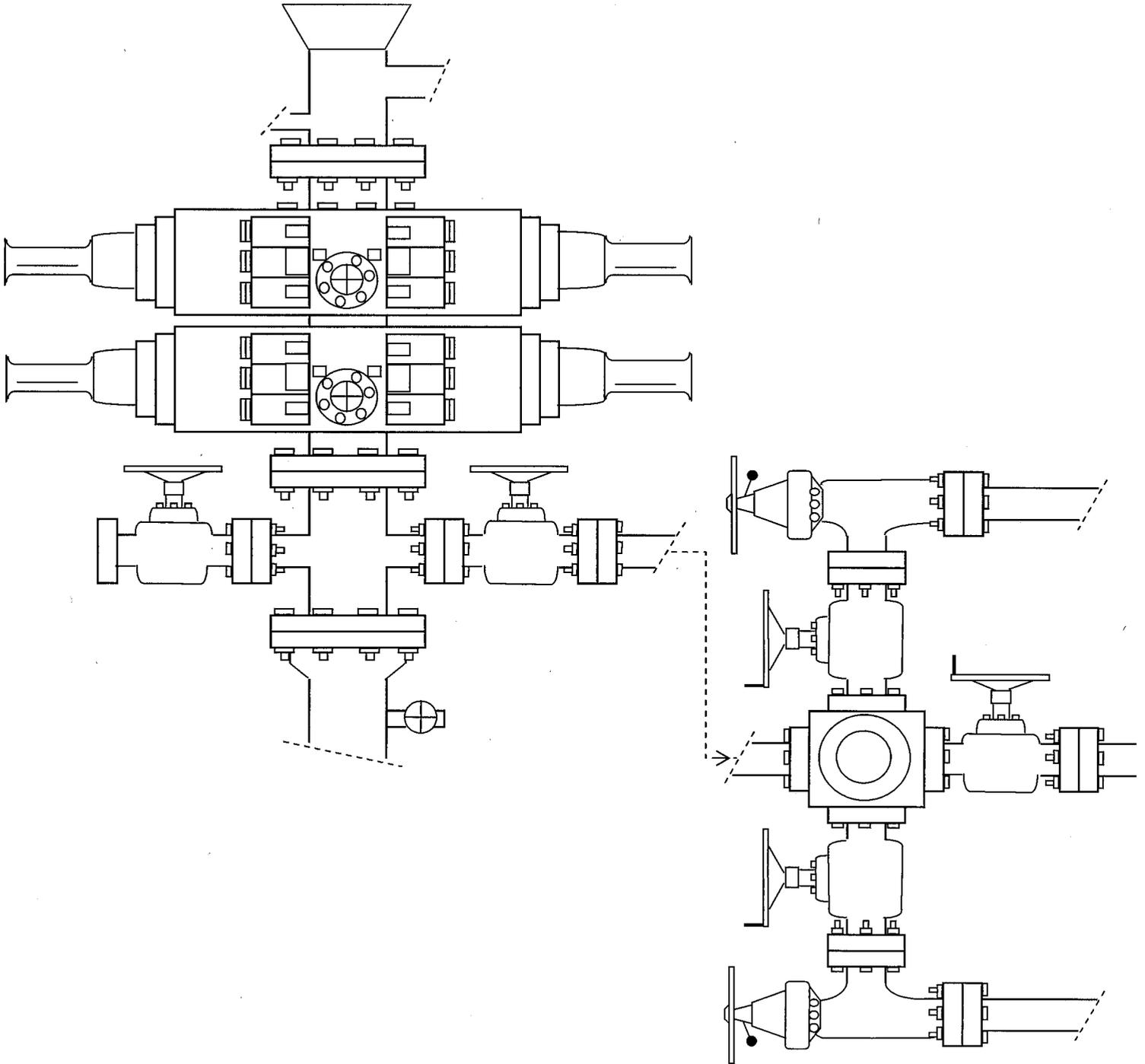


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF
INLAND RESOURCES' 1573 ACRE ASHLEY UNIT, IN
TOWNSHIP 9S, RANGE 15E, SECTIONS 22, 23 AND 24,
DUCHESNE COUNTY, UTAH

By:

Christopher M Nicholson
and
Keith R. Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office
Vernal, Utah

Prepared Under Contract With:

Inland Resources
Route 3, Box 3630
Myton, UT 84052

Prepared By:

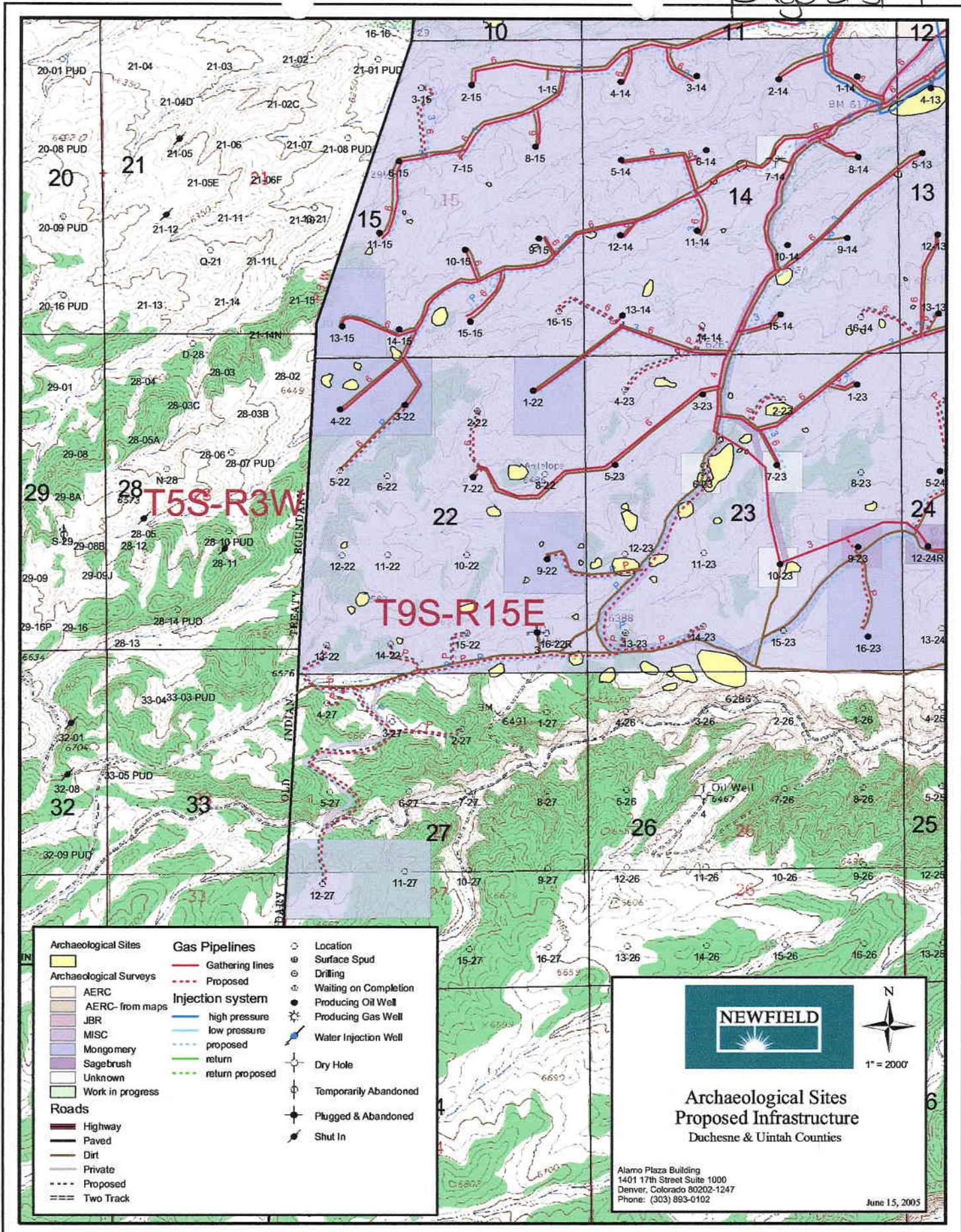
Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 03-59

September 15, 2003

United States Department of Interior (FLPMA)
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-03-MQ-0392b



Archaeological Sites	Gas Pipelines	Location
Archaeological Surveys	Gathering lines	Surface Spud
AERC	Proposed	Drilling
AERC- from maps	Injection system	Waiting on Completion
JBR	high pressure	Producing Oil Well
MISC	low pressure	Producing Gas Well
Montgomery	proposed	Water Injection Well
Sagebrush	return	Dry Hole
Unknown	return proposed	Temporarily Abandoned
Work in progress		Plugged & Abandoned
Roads		Shut In
Highway		
Paved		
Dirt		
Private		
Proposed		
Two Track		



NEWFIELD



1" = 2000'

**Archaeological Sites
Proposed Infrastructure**

Duchesne & Uintah Counties

Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102

June 15, 2005

INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

(South half Section 13, south half Section 14, south half Section 15,
entire Sections 22, 23, 24, T 9 S, R 15 E; Section 5 minus SW &
SE 1/4, SE 1/4, and existing well site at NW 1/4, NE 1/4, T 9 S, R 18 E)

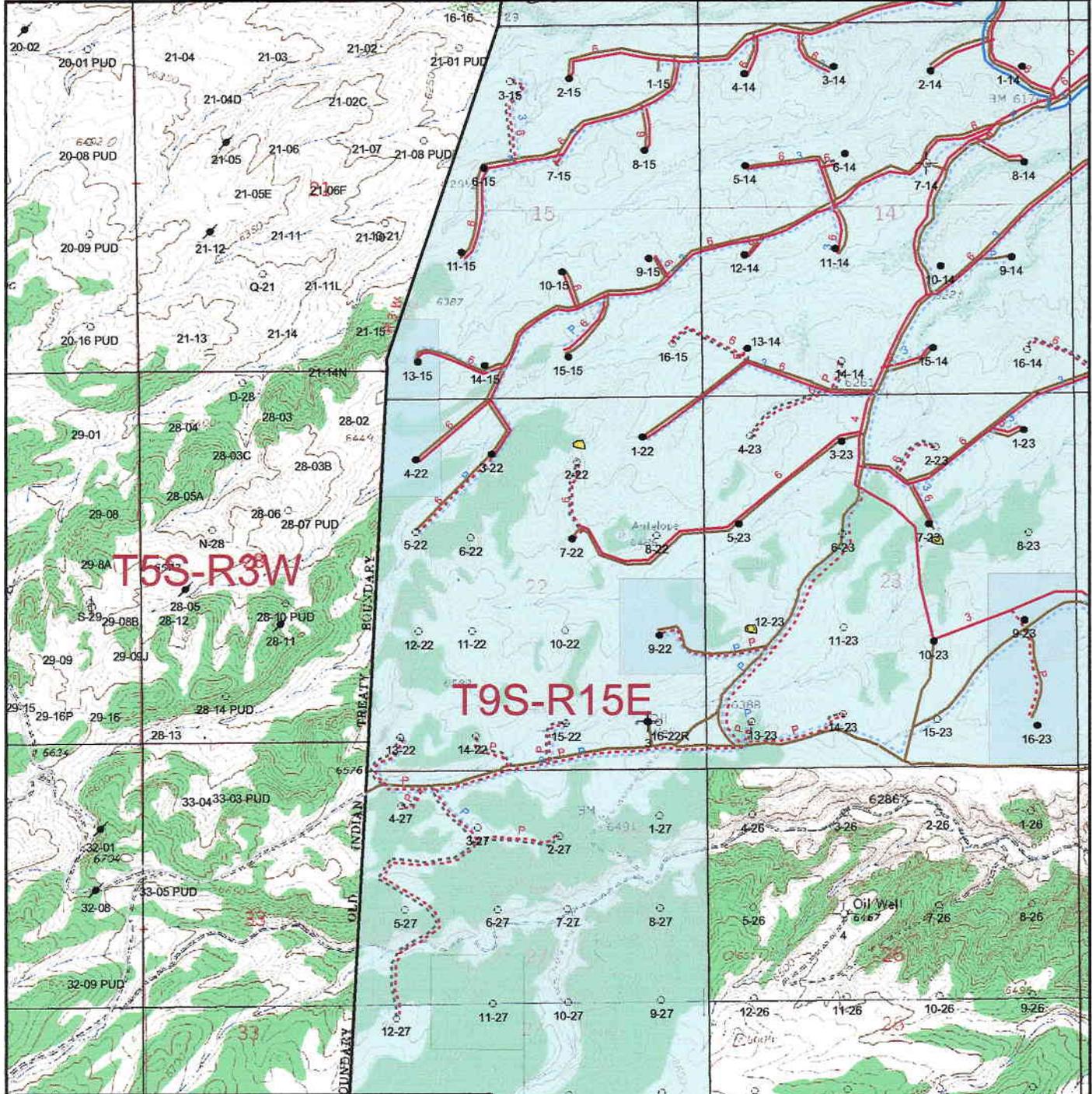
REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
June 7, 2003



Paleontology - Sites	Gas Pipelines	Well Status
Paleontology surveys	Gas Pipelines	Location
Hamblin	Proposed	Surface Spud
Miller	Injection system	Drilling
Sagebrush	high pressure	Waiting on Completion
Sheetz	low pressure	Producing Oil Well
Uinta	proposed	Producing Gas Well
Unknown	return	Water Injection Well
Roads	return proposed	Dry Hole
Highway		Temporarily Abandoned
Paved		Plugged & Abandoned
Dirt		Shut In
Private		
Proposed		
Two Track		



NEWFIELD



1" = 2000'

**Paleontological Sites
Proposed Infrastructure**
Duchesne & Uintah Counties

Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102

June 15, 2005

NEWFIELD



July 22, 2005

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Ashley Federal 6-22-9-15, 8-22-9-15, and 12-22-9-15. ✓

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
JUL 26 2005
DIV. OF OIL, GAS & MINING

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/26/2005

API NO. ASSIGNED: 43-013-32857

WELL NAME: ASHLEY FED 6-22-9-15
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENW 22 090S 150E
 SURFACE: 1949 FNL 1157 FWL
 BOTTOM: 1949 FNL 1157 FWL
 DUCHESNE
 MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-68548
 SURFACE OWNER: 1 - Federal
 PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

LATITUDE: 40.01827
 LONGITUDE: -110.2202

RECEIVED AND/OR REVIEWED:

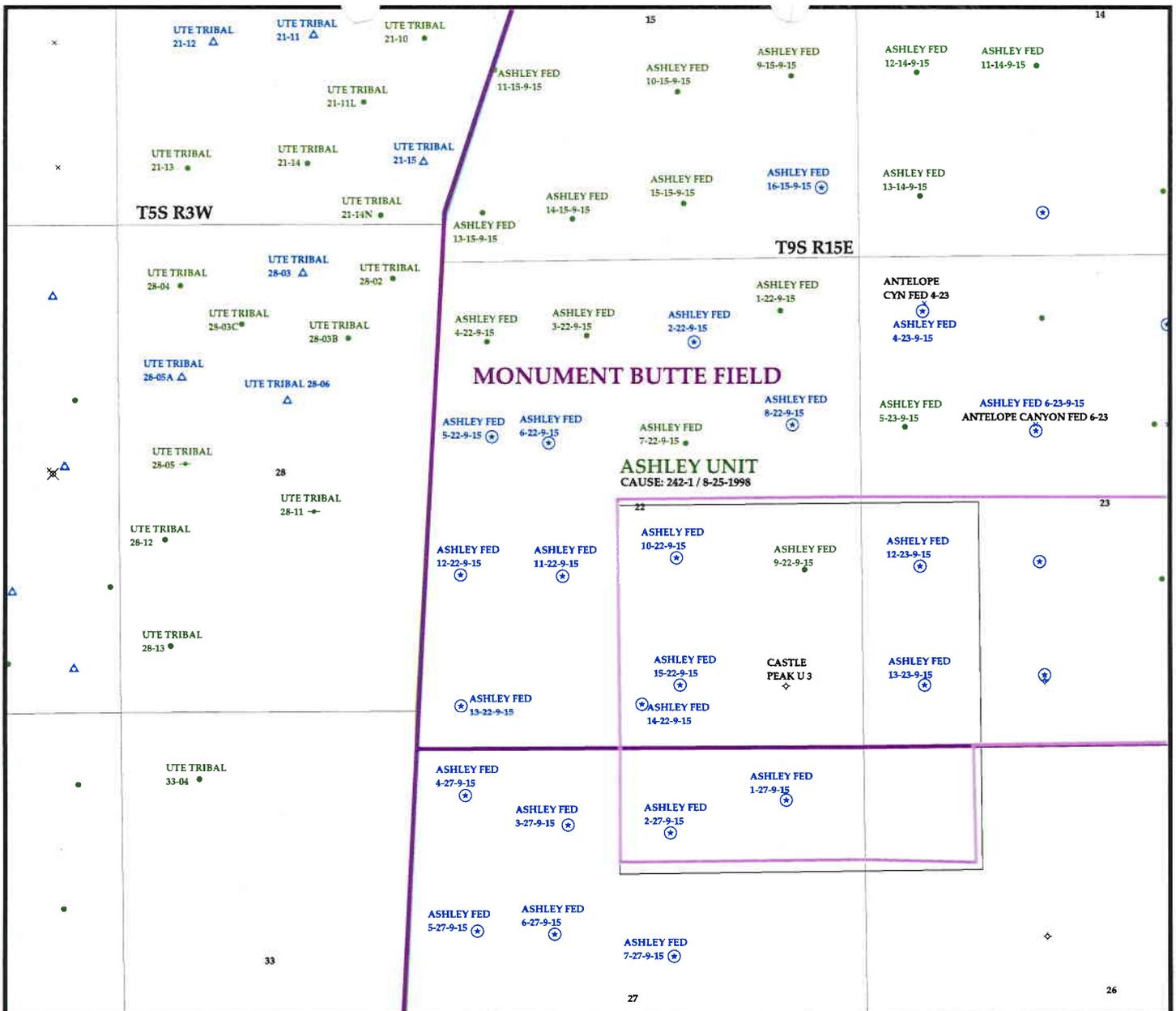
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT0056)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit ASHLEY
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 242-1
Eff Date: 8-25-1998
Siting: Suspend General Siting
- R649-3-11. Directional Drill

COMMENTS: Sep, Separate file

STIPULATIONS: 1- Federal Approval



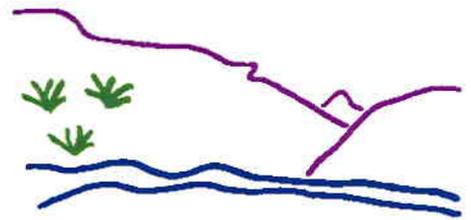
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T. 9S R. 15E

FIELD: MONUMENT BUTTE (107)

COUNTY: UINTAH

CAUSE: 242-1 / 8-25-1998



Utah Oil Gas and Mining

Wells

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY
DATE: 28-JULY-2005

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 28, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Ashley Unit, Duchesne County,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Ashley Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-32857	Ashley Fed	6-22-9-15 Sec 22 T09S R15E 1949 FNL 1157 FWL
43-013-32858	Ashley Fed	8-22-9-15 Sec 22 T09S R15E 1813 FNL 0720 FEL
43-013-32859	Ashley Fed	12-22-9-15 Sec 22 T09S R15E 1891 FSL 0476 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Ashley Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-28-05



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

August 9, 2005

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Ashley Federal 6-22-9-15 Well, 1949' FNL, 1157' FWL, SE NW,
Sec. 22, T. 9 South, R. 15 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32857.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company

Well Name & Number Ashley Federal 6-22-9-15

API Number: 43-013-32857

Lease: UTU-68548

Location: SE NW Sec. 22 T. 9 South R. 15 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

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JUL 26 2005

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
UTU-68548

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
Ashley

8. Lease Name and Well No.
Ashley Federal 6-22-9-15

9. API Well No.
43-013-32857

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
SE/NW Sec. 22, T9S R15E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface SE/NW 1949' FNL 1157' FWL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
Approximatley 16.4 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 495' flse, 1157' f/unit

16. No. of Acres in lease
711.22

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1665'

19. Proposed Depth
6065'

20. BLM/BIA Bond No. on file
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6424' GL

22. Approximate date work will start*
4th Quarter 2005

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 7/22/05

Title Regulatory Specialist

Approved by (Signature) *Kevin R. Cooney* Name (Printed/Typed) Kevin R. Cooney Date 04/04/2006

Title Assistant Field Manager Office Mineral Resources

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
APR 06 2006
DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company **Location:** SENW, Sec. 22, T9S, R15E
Well No: Ashley Federal 6-22-9-15 **Lease No:** UTU-68548
API No: 43-013-32857 **Agreement:** Ashley Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Nathaniel West	Office: 435-781-4447	
After hours contact number: (435) 781-4513		FAX: (435) 781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|---|--|
| Location Construction
(Notify Nathaniel West) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Nathaniel West) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- The proposed action is in crucial big game winter range for elk and mule deer. According to the lease, No new drilling or surface disturbing activities (including road construction) will be allowed from **December 1st through April 30th**. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities.
- The proposed action is in Ferruginous hawk nesting habitat. According to 43 CFR 3101.1-2, new surface disturbing activities may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of **March 1st through July 15th**, No new drilling or surface disturbing activities (including road construction) will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities. Additionally, if drilling is anticipated from March 1st through July 15th a new survey for Ferruginous hawk is needed with the exception request.
- The proposed action is in Cooper's hawk nesting habitat. According to 43 CFR 3101.1-2, new surface disturbing activities may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of **May 1st through August 15th**, No new drilling or surface disturbing activities (including road construction) will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities. Additionally, if drilling is anticipated from May 1st through August 15th a new survey for Cooper's hawk is needed with the exception request.
- Submit a ROW for road and pipelines.
- The proposed buried pipelines will laid adjacent to the access roads, using the road as a working surface. The pipeline trench shall be dug in the borrow ditch of the road and the trench material side cast into the existing vegetation. Upon completion of backfilling the trenches, reclaim with a seed drill using the seed mix listed below. Seeding shall include the area where the trench material was set aside.

- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- The reserve pit will be lined with a 16 ml or greater liner.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- Drill cuttings and mud will remain in the reserve pit until **DRY**. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit will not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).
- Prevent fill and stock piles from entering drainages.
- **CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION.** Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.
- The access road will be crowned and ditched. Flat-bladed roads are **NOT** allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not OSHA regulated will be painted Olive Black.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.

- Interim Reclamation (see below):
 - Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.
 - Interim Reclamation Seed Mix for location:

• Galleta grass	<i>Hilaria jamesii</i>	6 lbs/acre
• Western wheatgrass	<i>Pascopyrum smithii</i>	<u>6 lbs/acre</u>
Per Live Seed Total		12 lbs/acre
 - The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed it shall be re-contoured, then the area shall be seeded in the same manner as the topsoil.
 - There shall be no primary or secondary noxious weeds in the seed mixture.
 - Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
 - The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
 - The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture will be doubled and the area raked or chained to cover the seed.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended

for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.

- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.
- **Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be

submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and / or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field

Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: ASHLEY FED 6-22-9-15

Api No: 43-013-32857 Lease Type: FEDERAL

Section 22 Township 09S Range 15E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 05/12/06

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by FLOYD MITCHELL

Telephone # (435) 823-3610

Date 05/12/2006 Signed CHD

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
 ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12419	43-013-32857	ASHLEY FEDERAL 6-22-9-15	SE/NW	22	9S	15E	DUCHENSE	05/12/06	5/18/06

WELL 1 COMMENTS: *GRRU* - K

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	15374	43-013-32822	ASHLEY FEDERAL 13-22-9-15	SW/SW	22	9S	15E	DUCHESNE	05/15/06	5/18/06

GRRU - K

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 6 COMMENTS:

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

Lana Nebeker
 Signature Lana Nebeker

Production Clerk May 17, 2006
 Title Date

NOTE: Use COMMENT section to explain why each Action Code was selected

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MAY 17 2006

DIV. OF OIL, GAS & MINING

PAGE 02

INLAND

4356463031

15:50

05/17/2006

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

_____ **8 5/8** _____ CASING SET AT _____ **313** _____

LAST CASING 8 5/8" set @ 313'
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 310' _____ LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Ashley Federal 6-22-9-15
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 43.12'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.1	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			303	
TOTAL LENGTH OF STRING		303	7	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			313	
TOTAL		301.15	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		301.15	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	5/12/2006	10:00 PM	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		5/12/2006		Bbls CMT CIRC TO SURFACE			4	
BEGIN CIRC		5/12/2006		RECIPROCATED PIPE FOR			N/A	
BEGIN PUMP CMT		5/12/2006						
BEGIN DSPL. CMT		5/12/2006		BUMPED PLUG TO			70 PSI	
PLUG DOWN		5/12/2006						

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Justin Crum _____ DATE 5/16/2006 _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
ASHLEY PA A

8. Well Name and No.
ASHLEY FEDERAL 6-22-9-15

9. API Well No.
4301332857

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. (include are code)
435.646.3721

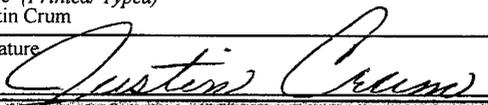
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1949 FNL 1157 FWL
SE/NW Section 22 T9S R15E

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/24/06 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6060'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 137 jt's of 5.5 J-55, 15.5# csgn. Set @ 6047' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 5 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #'s tension. Release rig @ 12:30 PM on 5/28/06.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 06/12/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
JUN 19 2006
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6047.68

Flt cllr @ 6004.63'

LAST CASING 8 5/8" SET AT 313'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Ashley Federal 6-22-9-15

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # NDSI#1

TD DRILLER 6060' Loggers TD 6061'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6.00 @ 4004'					
136	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6004.63
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	43.8
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6049.68
TOTAL LENGTH OF STRING		6049.68	137	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		133.07	3	CASING SET DEPTH			6047.68
TOTAL		6167.50	140	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6167.5	140				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		5/28/2006	2:00 AM	GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		5/28/2006	5:00 AM	Bbls CMT CIRC TO SURFACE <u>5 bbls</u>			
BEGIN CIRC		5/28/2006	5:00 AM	RECIPROCATED PIPE FOR <u> </u> THRUSTROKE <u>No</u>			
BEGIN PUMP CMT		5/28/2006	6:37 AM	DID BACK PRES. VALVE HOLD ? <u> </u>			
BEGIN DSPL. CMT		5/28/2006	7:38 AM	BUMPED PLUG TO <u> 2489 </u> PSI			
PLUG DOWN		5/28/2006	8:02 AM				

CEMENT USED		B. J.
STAGE	# SX	
1	325	Premlite II w/ 10% gel + 3 % KCL, .5#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Justin Crum

DATE 5/28/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
 Myton, UT 84052

3b. Phone No. (include are code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1949 FNL 1157 FWL
 SE/NW Section 22 T9S R15E

5. Lease Serial No.
 UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
 ASHLEY PA A

8. Well Name and No.
 ASHLEY FEDERAL 6-22-9-15

9. API Well No.
 4301332857

10. Field and Pool, or Exploratory Area
 Monument Butte

11. County or Parish, State
 Duchesne, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 6/30/06
[Signature]

Federal Approval Of This
Action Is Necessary
COPY SENT TO OPERATOR
Date: 6/16/06
Initials: _____

I hereby certify that the foregoing is true and correct
 Name (Printed/Typed)
 Mandie Crozier
 Signature *[Signature]*

Title BY: _____
 Regulatory Specialist
 Date
 06/20/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____
 Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
 Office _____

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(Instructions on reverse)

RECEIVED
JUN 21 2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
ASHLEY PA A

8. Well Name and No.
ASHLEY FEDERAL 6-22-9-15

9. API Well No.
4301332857

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
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3a. Address Route 3 Box 3630
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3b. Phone No. (include are code)
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR REVIEW ONLY**

I hereby certify that the foregoing is true and correct	Title
Name (Printed/Typed) Mandie Crozier	Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 06/20/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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(Instructions on reverse)

RECEIVED

JUN 21 2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
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5. Lease Serial No. **UTU168548**

6. If Indian, Allottee or Tribe Name.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1949 FNL 1157 FWL
SENW Section 22 T9S R15E

7. If Unit or CA/Agreement, Name and/or
ASHLEY PA A

8. Well Name and No.
ASHLEY 6-22-9-15

9. API Well No.
4301332857

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Status Report</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 06/06/06 - 06/19/06

Subject well had completion procedures initiated in the Green River formation on 06-06-06 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5567'-5571'), (5489'-5493'), (5448'-5461'); Stage #2 (5126'-5137'); Stage #3 (5040'-5051'); Stage #4 (4620'-4626'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 6-13-2006. Bridge plugs were drilled out and well was cleaned to 6003'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 06-19-2006.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lana Nebeker

Signature



Title

Production Clerk

Date

07/25/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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Title

Date

Office

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(Instructions on reverse)

RECEIVED

JUL 26 2006

DIV. OF OIL, GAS & MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Ashley Federal 6-22-9-15	Garden Gulch Mkr	3574'	
				Garden Gulch 1	3818'	
				Garden Gulch 2	3822'	
				Point 3 Mkr	4172'	
				X Mkr	4439'	
				Y-Mkr	4475'	
				Douglas Creek Mkr	4579'	
				BiCarbonate Mkr	4819'	
				B Limestone Mkr	4913'	
				Castle Peak	5500'	
				Basal Carbonate	5937'	
				Total Depth (LOGGERS)	6061'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-68548
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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: ASHLEY FED 6-22-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013328570000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	4. LOCATION OF WELL FOOTAGES AT SURFACE: 1949 FNL 1157 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 22 Township: 09.0S Range: 15.0E Meridian: S
	COUNTY: DUCHESNE 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: 5/6/2013	<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="Non Routine Treatment"/>

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

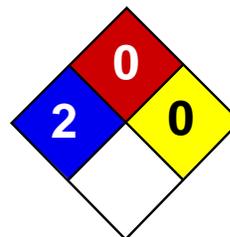
Newfield is going to conduct a 4 well absorption test program For the Ashley Federal 6-22-9-15 the planned job is listed as follows:
 Reservoir: D1 sand (zone will be isolated and tested separately)
 Chemical: CESI Surfactant: 2% Lift-HP (MSDS sheet attached/TDS sheets requested) Volume to be pumped: 450.7 bbl

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

Date: May 07, 2013

By: Dark Quif

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 5/6/2013	



Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet

Sodium bromide MSDS

Section 1: Chemical Product and Company Identification

Product Name: Sodium bromide

Catalog Codes: SLS3820, SLS1600

CAS#: 7647-15-6

RTECS: VZ3150000

TSCA: TSCA 8(b) inventory: Sodium bromide

CI#: Not available.

Synonym: Bromide salt of sodium

Chemical Name: Sodium Bromide

Chemical Formula: NaBr

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Sodium bromide	7647-15-6	100

Toxicological Data on Ingredients: Sodium bromide: ORAL (LD50): Acute: 3500 mg/kg [Rat]. 7000 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 102.91 g/mole

Color: Not available.

pH (1% soln/water): 6.5-8.0

Boiling Point: 1390°C (2534°F)

Melting Point: 755°C (1391°F)

Critical Temperature: Not available.

Specific Gravity: 3.21 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol.

Solubility:

Easily soluble in cold water, hot water. Soluble in methanol. 1 g dissolves in 1.1 ml of water. 1 g dissolves in about 16 ml of alcohol. 1 g dissolves in 6 ml of methanol

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, moisture

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Absorbs moisture from the air but is not deliquescent. Hygroscopic. Also incompatible with alkaloidal and heavy metal salts, and Bromine Trifluoride.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 3500 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May cause adverse reproductive effects (male and female effects on fertility and effects on newborns and fetotoxicity) based on animal data Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause mild skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation with nausea and vomiting, abdominal pain, constipation. Bromide poisoning following acute ingestion is more rare and may affect the central nervous system (CNS depression - somnolence, confusion, ataxia, coma and other symptoms similar to chronic ingestion), cardiovascular system (hypotension, tachycardia), kidneys (acute renal failure, urinary incontinence), and respiration (acute respiratory distress syndrome). It may also cause eye disturbances such as mydriasis and nystagmus, disturbances of apparent color of objects, blurring or indistinctness of vision, apparent movement or wiggling and change in apparent size of objects, large pupils, subnormal reaction to light, diplopia, and photophobia. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may cause skin rashes. Eyes: Prolonged or repeated eye contact may cause blepharitis, and conjunctivitis. Prolonged or repeated ingestion may cause skin rashes (bromoderma, acne, pyoderma gangrenosum, erythema multiforme), affect the liver, endocrine system (thyroid), metabolism(anorexia), blood, vision (visual disturbances, permanently decreased vision and may produce a toxic syndrome, "Bromism" which may be characterized by behavior/central nervous symptoms such CNS depression, irritability, headache, confusion, slurred speech, memory loss, lethargy, ataxia, tremor, agitation, delusion, disoriented, paranoia, aggressiveness, hallucinations, mania, fatigue, seizure, neuropathy, muscle weakness, coma. Also, in individuals with chronic bromism, the tongue may have a coated or furred appearance.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Sodium bromide

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36- Irritating to eyes. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

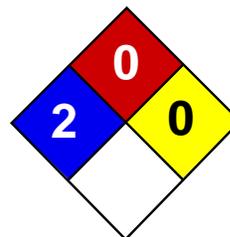
References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:26 PM

Last Updated: 06/09/2012 12:00 PM

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Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet

Sodium bromide MSDS

Section 1: Chemical Product and Company Identification

Product Name: Sodium bromide

Catalog Codes: SLS3820, SLS1600

CAS#: 7647-15-6

RTECS: VZ3150000

TSCA: TSCA 8(b) inventory: Sodium bromide

CI#: Not available.

Synonym: Bromide salt of sodium

Chemical Name: Sodium Bromide

Chemical Formula: NaBr

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Sodium bromide	7647-15-6	100

Toxicological Data on Ingredients: Sodium bromide: ORAL (LD50): Acute: 3500 mg/kg [Rat]. 7000 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 102.91 g/mole

Color: Not available.

pH (1% soln/water): 6.5-8.0

Boiling Point: 1390°C (2534°F)

Melting Point: 755°C (1391°F)

Critical Temperature: Not available.

Specific Gravity: 3.21 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol.

Solubility:

Easily soluble in cold water, hot water. Soluble in methanol. 1 g dissolves in 1.1 ml of water. 1 g dissolves in about 16 ml of alcohol. 1 g dissolves in 6 ml of methanol

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, moisture

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Absorbs moisture from the air but is not deliquescent. Hygroscopic. Also incompatible with alkaloidal and heavy metal salts, and Bromine Trifluoride.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 3500 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

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Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May cause adverse reproductive effects (male and female effects on fertility and effects on newborns and fetotoxicity) based on animal data Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause mild skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation with nausea and vomiting, abdominal pain, constipation. Bromide poisoning following acute ingestion is more rare and may affect the central nervous system (CNS depression - somnolence, confusion, ataxia, coma and other symptoms similar to chronic ingestion), cardiovascular system (hypotension, tachycardia), kidneys (acute renal failure, urinary incontinence), and respiration (acute respiratory distress syndrome). It may also cause eye disturbances such as mydriasis and nystagmus, disturbances of apparent color of objects, blurring or indistinctness of vision, apparent movement or wiggling and change in apparent size of objects, large pupils, subnormal reaction to light, diplopia, and photophobia. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may cause skin rashes. Eyes: Prolonged or repeated eye contact may cause blepharitis, and conjunctivitis. Prolonged or repeated ingestion may cause skin rashes (bromoderma, acne, pyoderma gangrenosum, erythema multiforme), affect the liver, endocrine system (thyroid), metabolism(anorexia), blood, vision (visual disturbances, permanently decreased vision and may produce a toxic syndrome, "Bromism" which may be characterized by behavior/central nervous symptoms such CNS depression, irritability, headache, confusion, slurred speech, memory loss, lethargy, ataxia, tremor, agitation, delusion, disoriented, paranoia, aggressiveness, hallucinations, mania, fatigue, seizure, neuropathy, muscle weakness, coma. Also, in individuals with chronic bromism, the tongue may have a coated or furred appearance.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

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Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

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DSCL (EEC):

R36- Irritating to eyes. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:26 PM

Last Updated: 06/09/2012 12:00 PM

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WELLBROM[®] 12.5 Completion Fluid

Description

WELLBROM 12.5 is a clear brine completion fluid based on an aqueous solution of sodium bromide.

Applications

Because of its high density, WELLBROM 12.5 is used extensively as a completion, fracturing, workover and packer fluid in oilfield applications.

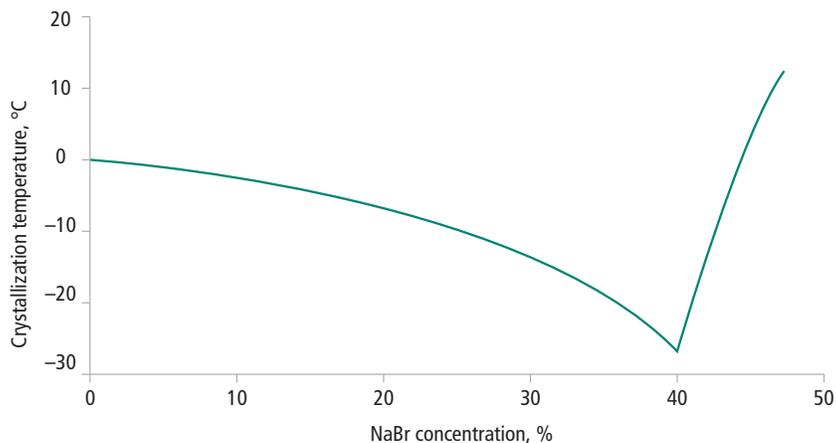
Specifications

Appearance	Clear
Density, 70°F (21.1°C), lb/gal	≥12.30

Physical properties

Appearance	Clear liquid, light to water-white color
Boiling point, °F (°C)	230–243 (110–117)
Flash point	None
Odor	Slight
Specific gravity, 70°F (21.1°C)	≥1.47
Color, APHA	≤30
pH (diluted 1:10 with water)	7.0–8.5

Variation of the crystallization temperature of NaBr with concentration.



Compatibility

Compatible materials of construction: This product is compatible with most non-metallic materials of construction, including fiber-glass-reinforced plastic (vinyl ester and polyester FRP), polyvinyl chloride (PVC), chlorinated polyvinyl chloride (CPVC), high-density polyethylene, polypropylene, Viton®, Teflon®, natural rubber, chlorobutyl rubber, Hypalon®, Halar® ethylene chlorotrifluoroethylene, Tefzel® ethylene/tetrafluoroethylene copolymer and most high-performance polytetrafluoroethylene-based gasket materials such as W.L. Gore GORE-TEX® and UPG Style 800, and Garlock Gylon® styles 3504 and 3500.

Titanium and high-nickel alloys such as Incone® 625 and 686, and Hastelloy® C-22 and C276 are also suitably compatible.

Incompatible materials of construction: The compatibility of this product with common metals depends on storage conditions and the environment the material is in. Aluminum, brass, carbon steel, copper, stainless steel and other common metals are generally not suitable for use. Carbon steel and copper can result in discoloration of the product. Aluminum suffers pitting attack. Dissolved oxygen increases the corrosion rate of stainless steel.

Recommended materials of construction for storage tanks: Vinyl ester FRP such as Ashland Derakane® 411 and 470, and bisphenol A fumarate polyester FRP such as Reichhold Atlae 6694 are suitable for use.

Recommended materials of construction for piping and valves: For piping, an adhesive socket FRP system such as the Reinforced Plastics Systems P150 series or the Smith Fibercast CL-2030 series is suitable. A flat-faced FRP ball valve such as the Nil-Cor 310 series is a good choice for FRP piping. Polypropylene-lined steel also is suitable. For low-pressure lines (<5 psig) such as overflows and drains, solid PVC or CPVC piping can be used, but should be safeguarded from mechanical damage.

Shipping information**Container information:**

Available in tank trailers and drums

Shipping classification:

Not regulated for transportation

Safety and handling information

For specific safety, toxicity and handling information, please refer to the material safety data sheet for this product.

Chemical registration numbers

CAS:	7647-15-6
EINECS:	231-599-9
MITI:	1-113

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries. It is the responsibility of the user to comply with all the applicable laws and regulators, and to provide a safe workplace. The user should consider any health or safety hazards or information contained only as a guide, and should take those precautions that are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.



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ASIA PACIFIC 16h Floor, Fukoku Science Building • 2-2-2, Uchisawai-cho • Chiyoda-Ku, Tokyo 100-0011, Japan • Tel +81-3-5251-0796 • Fax: +81-3-3500-5623

ASIA PACIFIC China World Tower, Room 1317 • No. 1 Jan Guo Mon Wai Avenue • Beijing, 100004 China • Tel +86-10-6505-4153 or +86-10-6505-4154 • Fax +86-10-6505-4150

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-68548
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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: ASHLEY FED 6-22-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013328570000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1949 FNL 1157 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 22 Township: 09.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

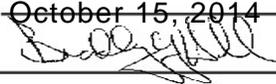
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/6/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" 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 type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 10/01/2014. On 10/03/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/06/2014 the casing was pressured up to 1061 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was not a State representative available to witness the test.

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

Date: October 15, 2014
 By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 10/7/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 10/6/14 Time 9:30 am pm
Test Conducted by: Jonny Daniels
Others Present: _____

Well: Ashley Federal 12-22-9-15 Field: GMBSU
Well Location: SE/NW Sec. 22, T9S, R15E API No: 43-013-32857
Duchesne County

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1061</u>	psig
5	<u>1061</u>	psig
10	<u>1061</u>	psig
15	<u>1060</u>	psig
20	<u>1060</u>	psig
25	<u>1061</u>	psig
30 min	<u>1061</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 500 psig

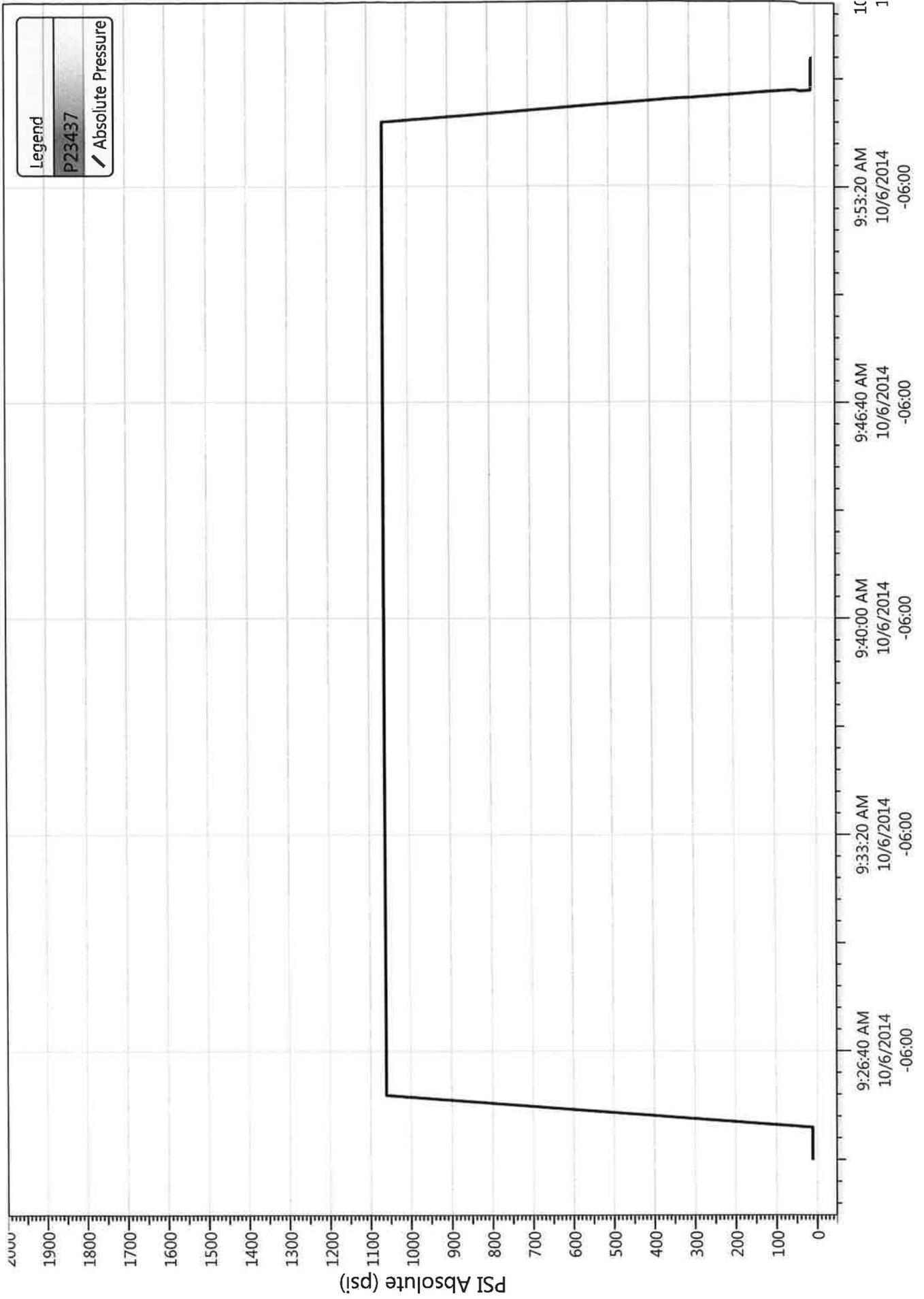
Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Jonny Daniels

Ashley Federal 6-22-9-15

10/6/2014 9:23:15 AM





Well Name: Ashley 6-22-9-15

Job Detail Summary Report

Jobs	Job Start Date	Job End Date
Primary Job Type Conversion	9/26/2014	10/6/2014

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
9/26/2014	9/26/2014	LOAM RU RIG TOOH FLUSH RDS
Start Time	End Time	Comment
12:00	15:00	LOAM from N-25-9-15 to 6-22-9-15, RU rig & attempt to pump down csg, wont pump down csg @1500 psi, RD PU & stroke pump while pumping down csg still wont move. Attempt to unseat pump didnt see pump unseat (string weight only 6,000), LD 2 rods & Try to pump down tbg to flush wont flush. PU 2 rods & soft seat & test tbg to 4500psi wont blow a hole in the tbg
Start Time	End Time	Comment
15:00	18:00	TOOH w/rod string to see what we have, TOOH w/all rods & pump, Hook up hotoilier to pump down tbg w/60 bbls, pressure started @1000psi then dropped off to no pressure, well circ. SDFN @6:00pm Ready to TIH & flush rods & LD rods
Start Time	End Time	Comment
18:00	19:00	CREW TRAVEL
Report Start Date	Report End Date	24hr Activity Summary
9/29/2014	9/29/2014	TOOH
Start Time	End Time	Comment
06:00	07:00	Crew Travel & Safety mtg
Start Time	End Time	Comment
07:00	12:00	Flush tbg w/40 bbls of H2O bleed off csg to pit & TIH w/rod string. Flush rods w/20 bbls & LD rod string, 99 - 3/4" 4per, 73 - 3/4" slicks, 7 - 3/4" 4per, 6 - 1-1/2" WB, 2' x 3/4" Pony, 1-1/2" x 22' Polish Rod w/acc. Flush w/60 more bbls on TOOH
Start Time	End Time	Comment
12:00	18:00	XO to tbg equip, ND B1 adapter flange & Release TAC, XO 5000# studs to 3000# studs on BOPs, RU floor. RU sandline, PU & TIH w/sandline to tag RBP @4855', tag @4649', Cant go past PSN. RU Gill Tonges, TOOH w/tbg breaking & redoping every collar a total of 120 jts tbg. SDFN
Start Time	End Time	Comment
18:00	19:00	Crew Travel
Report Start Date	Report End Date	24hr Activity Summary
9/30/2014	9/30/2014	Cont TOOH, TIH W/ BHA
Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL & SAFETY MTG
Start Time	End Time	Comment
07:00	11:30	Flush tbg w/20 bbls, Cont TOOH breaking & redoping a total of 144 jts tbg & TOOH w/total of 148 jts. TIH w/BHA as follows, Retrieving Head, XO, PSN, 148 jts tbg, tightening every collar to Retrieve RBP set @4855', PU & TIH w/5 jts tbg, 6th jt rig up Circ equip. Circ w/Hot Oiler down csg up tbg & latch onto plug, circ well w/40 bbls, Release RBP well started to flow up tbg. Flush tbg w/20 bbls hot, well started flowing up csg, LD 6 jts tbg.
Start Time	End Time	Comment
11:30	18:30	TOOH w/tbg total of 148 jts tbg & LD RBP & Retrieving Head, Flush 1 more time w/30 bbls on TOOH. TIH w/BHA as follows, XN-ripple w/Re-Entry Collar, 4' pup w/XO, Weatherford AS-1 PKR, On/Off tool, PSN, 144 jts tbg. Pump down tbg 2 times to kill well to keep TIH. Flush tbg w/30 bbls hot, 20 bbls cold, Drop SV & pump down w/20 bbls. Pressure up tbg to 3100psi, steam off rig, floor, BOPs. SDFN @6:30pm ready to TIH & fish SV, ND & test csg
Start Time	End Time	Comment
18:30	19:30	CREW TRAVEL
Report Start Date	Report End Date	24hr Activity Summary
10/1/2014	10/1/2014	Ready to TIH & fish SV, ND & test csg
Start Time	End Time	Comment
00:00	01:00	Crew Travel & Safety mtg



Well Name: Ashley 6-22-9-15

Job Detail Summary Report

Start Time	01:00	End Time	04:00	Comment
				Check pressure on well, 2500psi pump back up to 3000psi for 30 min test, Good test. RU sandline, PU & RIH w/overshot to SV @4555', POOH w/sandline, RD floor & tbg equip, ND BOPs & NU B1 adapter flange & pump 50 bbls down csg w/PKR fluid (PKR unset), ND well head & set PKR w/15000# Tension, PSN @4555', PKR-CE @4561', XN-Nipple @4569', EOT @4571', 48' Above top perf. NU Injection Tree & Pressure up csg to 1500psi to get a good test.
Start Time	04:00	End Time	06:00	Comment
				Call MIT & test csg PASSED, RD rig ready to wash on rig & move location.
Start Time	06:00	End Time	09:00	Comment
				Wash on rig
Start Time	09:00	End Time	10:00	Comment
				Crew Travel
Start Time	10:00	End Time	11:00	Comment
				Western Well Service Safety mtg
Report Start Date	10/6/2014	Report End Date	10/6/2014	24hr Activity Summary
Start Time	09:20	End Time	09:50	Conduct MIT
				On 10/03/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/06/2014 the casing was pressured up to 1061 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was not a State representative available to witness the test.

NEWFIELD

Schematic

Well Name: Ashley 6-22-9-15

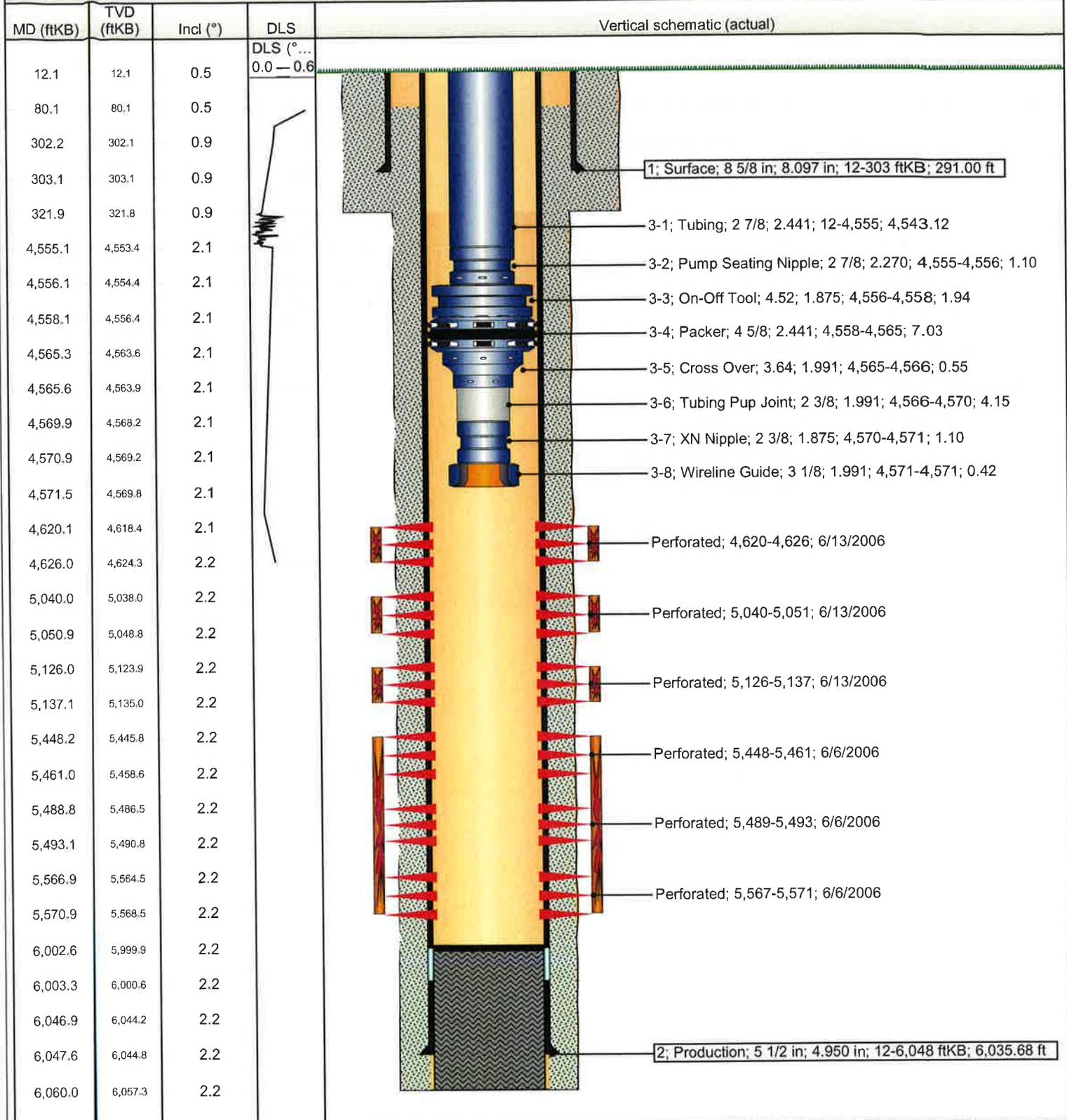
Surface Legal Location 22-9S-15E		API/UWI 43013328570000	Well RC 500159400	Lease	State/Province Utah	Field Name GMBU CTB2	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 6/19/2006	Original KB Elevation (ft) 6,436	Ground Elevation (ft) 6,424	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,002.6	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 9/26/2014	Job End Date 10/6/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

TD: 6,060.0

Vertical - Original Hole, 10/7/2014 7:55:16 AM



NEWFIELD**Newfield Wellbore Diagram Data
Ashley 6-22-9-15**

Surface Legal Location 22-9S-15E		API/UWI 43013328570000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 5/12/2006		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 6,436		Ground Elevation (ft) 6,424		Total Depth (ftKB) 6,060.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 6,002.6	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	WVLen (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/12/2006	8 5/8	8.097	24.00	J-55	303
Production	5/28/2006	5 1/2	4.950	15.50	J-55	6,048

Cement**String: Surface, 303ftKB 5/12/2006**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 6,048ftKB 5/28/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 80.0	Bottom Depth (ftKB) 6,060.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premilite II w/ 10% gel + 3 % KCL, .5#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield		Fluid Type Lead	Amount (sacks) 325	Class Premium Plus	Estimated Top (ftKB) 80.0
Fluid Description 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD		Fluid Type Tail	Amount (sacks) 450	Class 50/50 POZ	Estimated Top (ftKB) 3,030.0

Tubing Strings

Tubing Description					Run Date	Set Depth (ftKB)			
Tubing					9/30/2014	4,571.4			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Tubing	144	2 7/8	2.441	6.50	J-55	4,543.12	12.0	4,555.1	
Pump Seating Nipple	1	2 7/8	2.270			1.10	4,555.1	4,556.2	
On-Off Tool	1	4.515	1.875			1.94	4,556.2	4,558.2	
Packer	1	4 5/8	2.441			7.03	4,558.2	4,565.2	
Cross Over	1	3.635	1.991			0.55	4,565.2	4,565.7	
Tubing Pup Joint	1	2 3/8	1.991			4.15	4,565.7	4,569.9	
XN Nipple	1	2 3/8	1.875			1.10	4,569.9	4,571.0	
Wireline Guide	1	3 1/8	1.991			0.42	4,571.0	4,571.4	

Rod Strings

Rod Description					Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
4	D1, Original Hole	4,620	4,626	4	90	0.430	6/13/2006
3	A1, Original Hole	5,040	5,051	4	90	0.430	6/13/2006
2	LODC, Original Hole	5,126	5,137	4	90	0.430	6/13/2006
1	CP2/LODC, Original Hole	5,448	5,461	4	90	0.460	6/6/2006
1	CP2/LODC, Original Hole	5,489	5,493	4	90	0.460	6/6/2006
1	CP2/LODC, Original Hole	5,567	5,571	4	90	0.460	6/6/2006

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,790	0.76	25.6	2,056			
2	2,025	0.83	25.4	2,398			
3	2,875	1.0	25.3	2,629			
4	1,850	0.83	25.4	1,910			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 50237 lb
2		Proppant Bulk Sand 40237 lb
3		Proppant Bulk Sand 89409 lb
4		Proppant Bulk Sand 41156 lb

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-68548
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: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: ASHLEY FED 6-22-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013328570000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1949 FNL 1157 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 22 Township: 09.0S Range: 15.0E Meridian: S		COUNTY: DUCHESNE STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/20/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER <input type="checkbox"/> APD EXTENSION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The above reference well was put on injection at 10:55 AM on 03/20/2015.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 23, 2015		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 3/23/2015



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

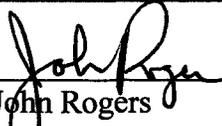
Cause No. UIC-416

Operator: Newfield Production Company
Well: Ashley Federal 6-22-9-15
Location: Section 22, Township 9 South, Range 15 East
County: Duchesne
API No.: 43-013-32857
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 18, 2014.
2. Maximum Allowable Injection Pressure: 1,755 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,922' – 6,003')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: _____


John Rogers
Associate Director

Date

11/5/2014

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Ute Tribe
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 18, 2014

Jill Loyle
Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

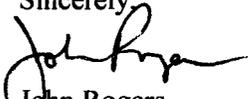
Subject: Greater Monument Butte Unit Well: Ashley Federal 6-22-9-15, Section 22, Township 9 South, Range 15 East, SLBM, Duchesne County, Utah, API Well # 43-013-32857

Dear Ms. Loyle:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

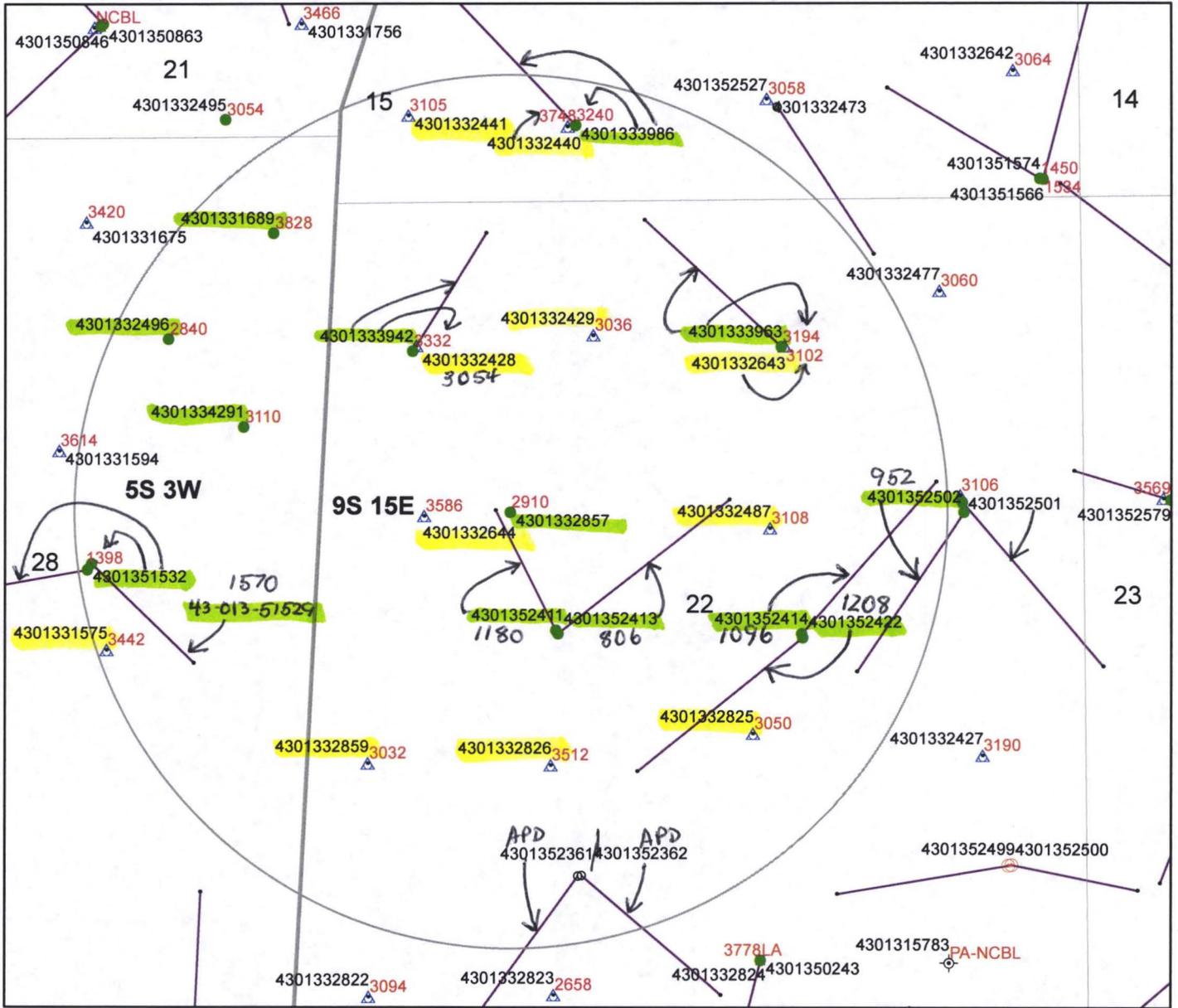
1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,922 feet in the Ashley Federal 6-22-9-15 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Ute Tribe
Duchesne County
Newfield Production Company, Myton
Well File
N:\O&G Reviewed Docs\ChronFile\UIC



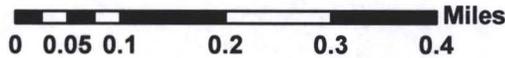


Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊗ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊗ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊗ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

Cement Bond Tops
Ashley Federal 6-22-9-15
API #43-013-32857
UIC-416.1
(updated 10/31/2014)



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbtopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Ashley Federal 6-22-9-15

Location: 22/9S/15E **API:** 43-013-32857

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the Bureau of Indian Affairs (BIA). The Federal Government (BLM) and the BIA are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 313 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,048 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,910 feet or higher. A 2 7/8 inch tubing with a packer is proposed at 4,570 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (10/31/2014), based on surface locations, there are 12 producing wells and 11 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there is 1 directional producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there are 2 approved surface locations inside the AOR for directional wells to be drilled to bottom hole locations outside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 1800 feet. Injection shall be limited to the interval between 3,922 feet and 6,003 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 6-22-9-15 well is 0.76 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,755 psig. The requested maximum pressure is 1,755 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Ashley Federal 6-22-9-15
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 2/14/2014 (10/31/2014)

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED.TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune

WWW.SLTTRIB.COM

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OF UTAH
A NEWSPAPER AGENCY COMPANY
WWW.MEDIAONEUTAH.COM

Deseret News

WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	1/17/2014

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE
8015385340	0000933597 /
SCHEDULE	
Start 01/17/2014	End 01/17/2014
CUST. REF. NO.	
UIC-416	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATU	
SIZE	
64 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
220.04	

**BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-416**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Ashley Federal 6-22-9-15 well located in SE/4 NW/4, Section 22, Township 9 South, Range 15 East
API 43-013-32857
Federal 16-13-9-16 well located in SE/4 SE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32647
Castle Peak State 33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30640

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 14th day of January, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Permitting Manager

933597 UPAXLP

AFFIDAVIT OF PUBLICATION

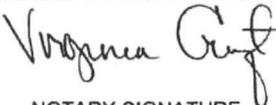
AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-416 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS. DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 01/17/2014 End 01/17/2014

SIGNATURE 

DATE 1/17/2014

VIRGINIA CRAFT
NOTARY PUBLIC - STATE OF UTAH
My Comm. Exp. 01/12/2018
Commission # 672963


NOTARY SIGNATURE

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

2210/R8B/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

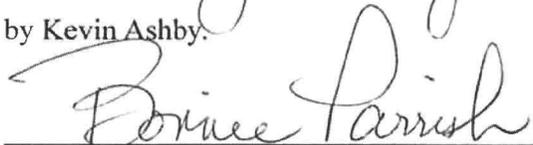
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 21 day of January, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 21 day of January, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



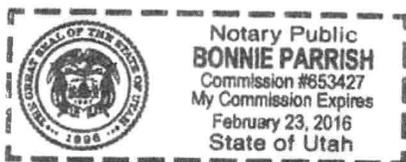
Publisher

Subscribed and sworn to before me on this

21 day of January 20 14
by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-416

BEFORE THE
DIVISION OF OIL,
GAS AND MINING,
DEPARTMENT OF
NATURAL RE-
SOURCE, STATE
OF UTAH.

IN THE MATTER
OF THE APPLI-
CATION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTION 22,
TOWNSHIP 9
SOUTH, RANGE
15 EAST, AND
SECTIONS 13 AND
16, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE EN-
TITLED MATTER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudica-
tive proceeding to
consider the appli-
cation of Newfield
Production Company,
1001 17th Street,
Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative
approval of the fol-
lowing wells located
in Duchesne County,
Utah, for conversion
to Class II injection
wells:

Greater Monument
Butte Unit:

Ashley Federal
6-22-9-15 well lo-
cated in SE/4 NW/4,
Section 22, Township
9 South, Range 15
East

API 43-013-32857
Federal 16-13-9-16
well located in SE/4
SE/4, Section 13,
Township 9 South,
Range 16 East

API 43-013-32647
Castle Peak State

33-16 well located in
NW/4 SE/4, Sec-
tion 16, Township 9
South, Range 16 East
API 43-013-30640

The proceeding
will be conducted in
accordance with Utah
Admin. R649-10,
Administrative Proce-
dures.

Selected zones
in the Green River
Formation will be
used for water injec-
tion. The maximum
requested injection
pressures and rates
will be determined
based on fracture
gradient informa-
tion submitted by
Newfield Production
Company.

Any person
desiring to object to
the application or
otherwise intervene
in the proceeding,
must file a written
protest or notice of
intervention with
the Division within
fifteen days following
publication of this
notice. The Division's
Presiding Officer
for the proceeding is
Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake
City, UT 84114-5801,
phone number (801)
538-5340. If such
a protest or notice
of intervention is
received, a hearing
will be scheduled in
accordance with the
aforementioned ad-
ministrative procedur-
al rules. Protestants
and/or interveners
should be prepared
to demonstrate at
the hearing how this
matter affects their
interests.

Dated this 14th day
of January, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING

/s/
Brad Hill
Permitting Man-
ager

Published in
the Uintah Basin
Standard January 21,
2014.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-416

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 6-22-9-15 well located in SE/4 NW/4, Section 22, Township 9 South, Range 15 East
API 43-013-32857
Federal 16-13-9-16 well located in SE/4 SE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32647
Castle Peak State 33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30640

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 14th day of January, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**ASHLEY FEDERAL 6-22-9-15, FEDERAL 16-13-9-16,
CASTLE PEAK STATE 33-16**

Cause No. UIC-416

Publication Notices were sent to the following:

Jill Loyle
Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail legals@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

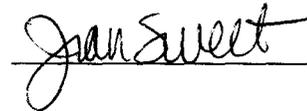
SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Ute Tribe
P O Box 190
Ft. Duchesne, UT 84026

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 15, 2014

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-416

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-416

1 message

UB Standard Legals <ubslegals@ubmedia.biz>
To: Jean Sweet <jsweet@utah.gov>

Wed, Jan 15, 2014 at 1:21 PM

On 1/15/2014 1:17 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

–
Jean Sweet
Executive Secretary
Utah Division of Oil, Gas and Mining
801-538-5329

This will publish January 21.
Thanks
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 15, 2014

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-416

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Order Confirmation for Ad #0000933597-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210, P.O. BO SALT LAKE CITY, UT 84114

Fax	801-359-3940	Ordered By	Acct. Exec
EMail	juliecarter@utah.gov	Jean	mfultz

Total Amount	\$220.04			
Payment Amt	\$0.00			
Amount Due	\$220.04	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	UIC-416	

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 64 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/17/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/17/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	1/17/2014	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-416

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Ashley Federal 6-22-9-15 well located in SE/4 NW/4, Section 22, Township 9 South, Range 15 East
API 43-013-32657
Federal 16-13-9-16 well located in SE/4 SE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32647
Castle Peak State 33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30640

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 14th day of January, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Permitting Manager
933597 UPAJLP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

December 11, 2013

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Ashley Federal #6-22-9-15
Monument Butte Field, Lease #UTU-68548
Section 22-Township 9S-Range 15E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Ashley Federal #6-22-9-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,


Jill L. Loyle
Regulatory Associate

RECEIVED

DEC 12 2013

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
ASHLEY FEDERAL #6-22-9-15
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-68548
DECEMBER 11, 2013

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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Ashley Federal #6-22-9-15
Field or Unit name: Monument Butte (Green River) Lease No. UTU-68548
Well Location: QQ SENW section 22 township 9S range 15E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []
Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
Disposal? Yes [] No [X]
Storage? Yes [] No [X]
Is this application for a new well to be drilled? Yes [] No [X]
If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]
Date of test: _____
API number: 43-013-32857

Proposed injection interval: from 3922 to 6003
Proposed maximum injection: rate 500 bpd pressure 1755 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.
Name: Jill L Loyle Signature 
Title Regulatory Associate Date 12/11/13
Phone No. (303) 383-4135

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

Ashley Federal 6-22-9-15

Spud Date: 05/12/2006
 Put on Production: 006/19/06
 K.B.: 6436, G.L.: 6424

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.10')
 DEPTH LANDED: 313.00' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

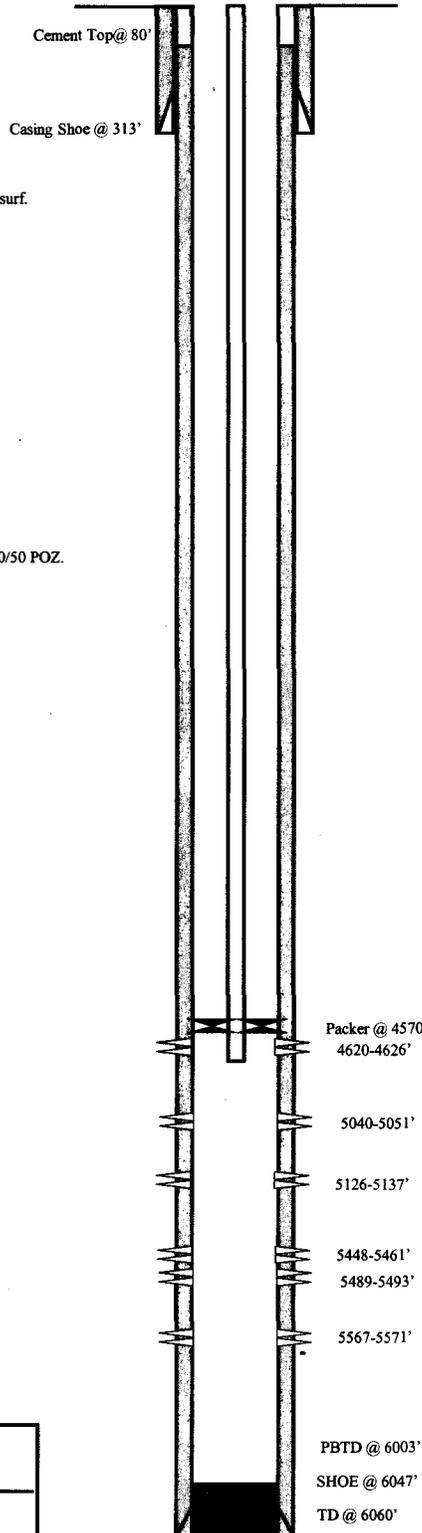
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6048.43')
 DEPTH LANDED: 6047.68' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 80'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5522.16')
 TUBING ANCHOR: 5534.16' KB
 NO. OF JOINTS: 1 jts (31.65')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5568.61' KB
 NO. OF JOINTS: 2 jts (63.30')
 TOTAL STRING LENGTH: EOT @ 5633.46' KB

FRAC JOB

06/13/06	5448-5571'	Frac CP2, LODC sands as follows: 50237# 20/40 sand in 500 bbls Lightning 17 frac fluid. Treated @ avg press of 1778 psi w/avg rate of 25.2 BPM. ISIP 1790 psi. Calc flush: 5569 gal. Actual flush: 4939 gal.
06/13/06	5126-5137'	Frac LODC sands as follows: 40237# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2027 psi w/avg rate of 25.1 BPM. ISIP 2025 psi. Calc flush: 5135 gal. Actual flush: 4658 gal.
06/13/06	5040-5051'	Frac A1 sands as follows: 89409# 20/40 sand in 650 bbls Lightning 17 frac fluid. Treated @ avg press of 2340 psi w/avg rate of 25 BPM. ISIP 2875 psi. Calc flush: 5049 gal. Actual flush: 4494 gal.
06/13/06	4620-4626'	Frac D1, sands as follows: 41156# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 1775 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 4624 gal. Actual flush: 4494 gal.



PERFORATION RECORD

06/06/06	5567-5571'	4 JSFP	16 holes
06/06/06	5489-5493'	4 JSFP	16 holes
06/06/06	5448-5461'	4 JSFP	52 holes
06/13/06	5126-5137'	4 JSFP	44 holes
06/13/06	5040-5051'	4 JSFP	44 holes
06/13/06	4620-4626'	4 JSFP	24 holes

NEWFIELD

Ashley Federal 6-22-9-15

1949' FNL & 1157' FWL

SE/NW Section 22-T9S-R15E

Duchesne Co, Utah

API #43-013-32857; Lease #UTU-68548

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
 - 2.1 The name and address of the operator of the project.**

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

 - 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

 - 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Ashley Federal #6-22-9-15 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

 - 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

 - 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Ashley Federal #6-22-9-15 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3922' - 6003'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3607' and the TD is at 6060'.

 - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Ashley Federal #6-22-9-15 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-68548) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 313' KB, and 5-1/2", 15.5# casing run from surface to 6048' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1755 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Ashley Federal #6-22-9-15, for existing perforations (4620' - 5571') calculates at 0.76 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1755 psig. We may add additional perforations between 3607' and 6060'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Ashley Federal #6-22-9-15, the proposed injection zone (3922' - 6003') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-13.

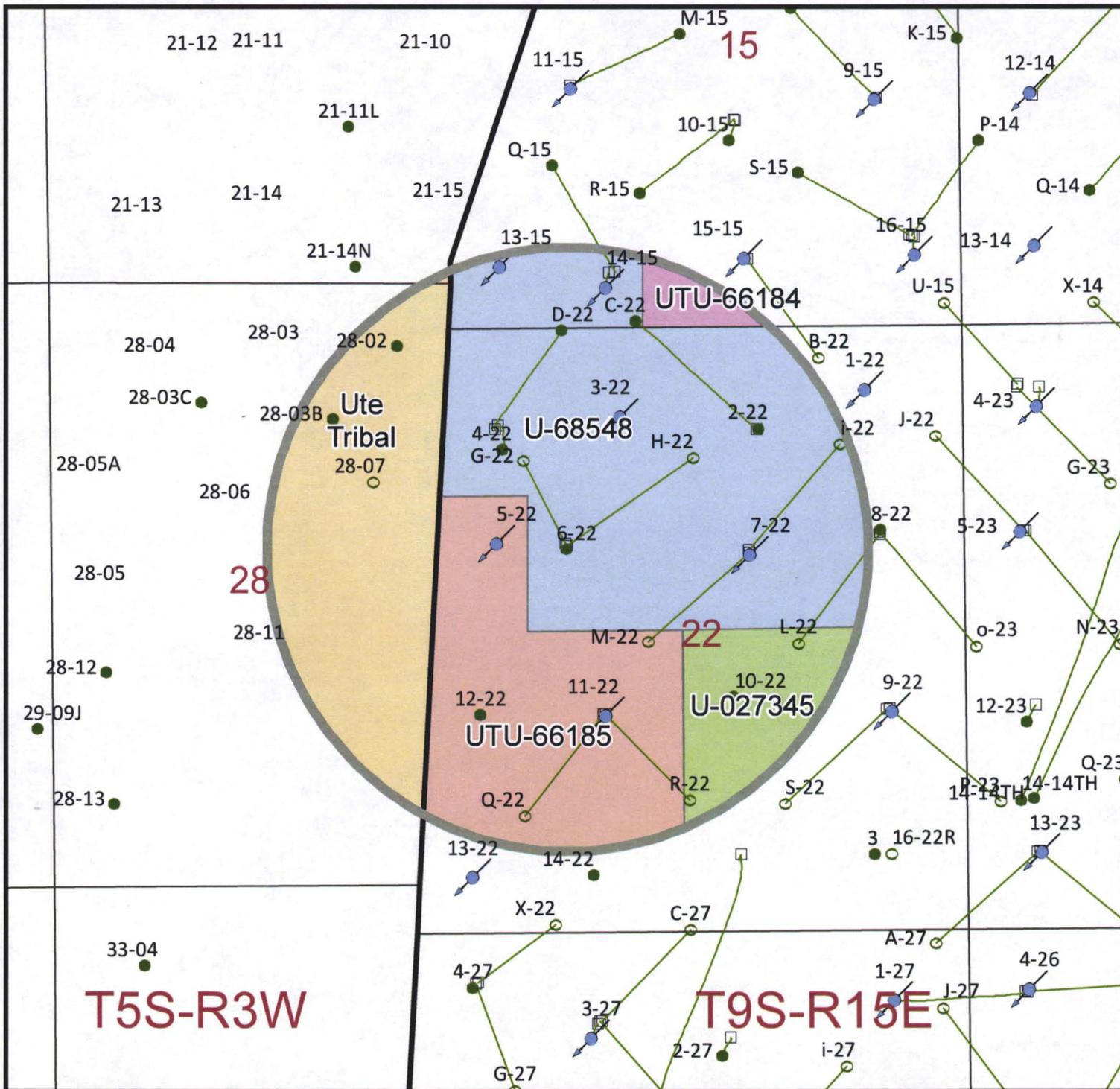
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.



Lease Number

- U-027345
- U-68548
- UTU-66184
- UTU-66185
- Ute Tribal

Well Status

- Location
- +
 CTI
- |
 Surface Spud
- Drilling
- /
 Waiting on Completion
- Producing Oil Well
- *
 Producing Gas Well
- Water Injection Well
- +
 Dry Hole
- |
 Temporarily Abandoned
- /
 Plugged & Abandoned
- /
 Shut In
- Well Surface Location

Ashley Unit 6-22-9-15
Section 22, T9S-R15E

NEWFIELD
ROCKY MOUNTAINS¹ in = 1,250 feet

1/2 Mile Radius Map
Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

Dec. 9, 2013

T5S-R3W

T9S-R15E

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R15E SLM Section 13: S2S2 Section 14: S2S2 Section 15: Lot 4 Section 22: NE, E2NW, Lot 1 Section 23: N2NW	USA UTU-68548 HBP	Newfield Production Company Newfield RMI LLC	USA
2	T9S-R15E SLM Section 22: E2SW, Lots 2-4, Section 23: NENE, W2E2, S2NW, E2SW Section 24: N2N2 Section 25: ALL Section 26: NE, NENW, S2NW, S2 Section 27: S2NE, E2NW, SE, Lots 1,2	USA UTU-66185 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R15E SLM Section 22: SE Section 26: NWNW Section 27: N2NE	USA UTU-027345 HBP	Newfield Production Company Newfield RMI LLC	USA
5	T9S-R15E SLM Section 13: N2, N2S2 Section 14: N2, N2S2 Section 15: E2, Lots 1-3	USA UTU-66184 HBP	Newfield Production Company Newfield RMI LLC	USA
6	T5S-R3W SLM Section 21: ALL	UTE 14-20-H62-3516 HBP	Petroglyph Operating Co., Inc	Ute Indian Tribe
7	T5S-R3W SLM Section 28: ALL	UTE 14-20-H62-3517 HBP	Petroglyph Operating Co., Inc	Ute Indian Tribe

ATTACHMENT C

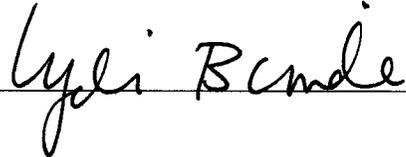
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Ashley Federal #6-22-9-15

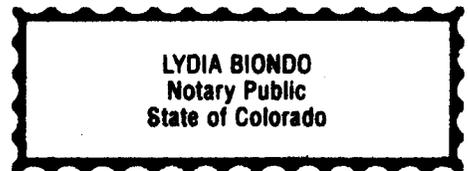
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 11th day of December, 2013.

Notary Public in and for the State of Colorado: 

My Commission Expires: 12/31/15



Ashley Federal 6-22-9-15

Spud Date: 05/12/2006
 Put on Production: 006/19/06
 K.B.: 6436, G.L.: 6424

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.10')
 DEPTH LANDED: 313.00' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6048.43')
 DEPTH LANDED: 6047.68' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 80'

TUBING

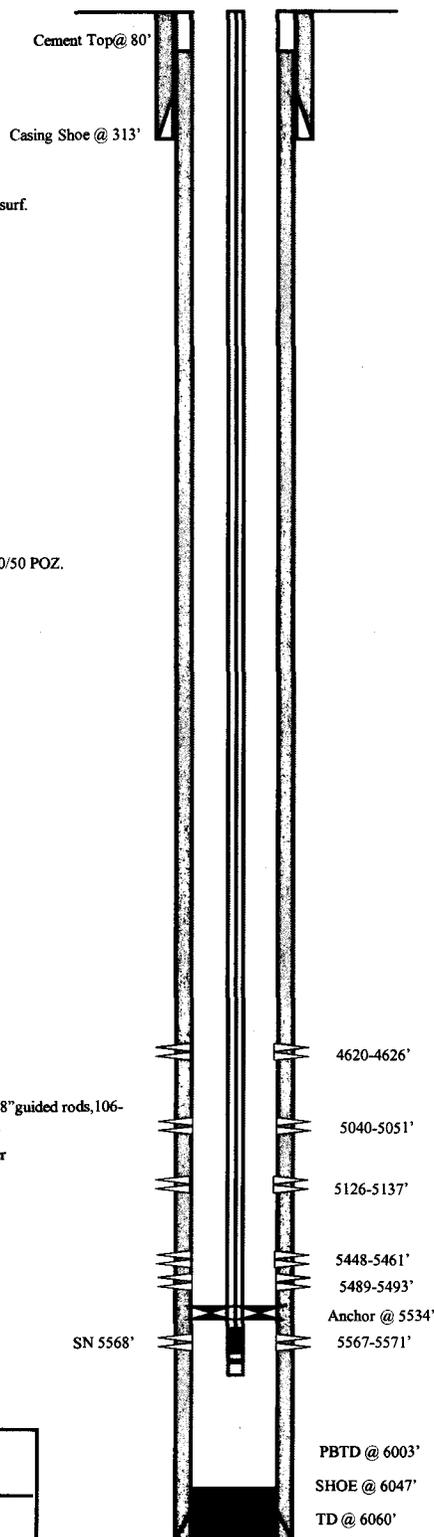
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5522.16')
 TUBING ANCHOR: 5534.16' KB
 NO. OF JOINTS: 1 jts (31.65')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5568.61' KB
 NO. OF JOINTS: 2 jts (63.30')
 TOTAL STRING LENGTH: EOT @ 5633.46' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 1-8, 1-6', 1-4', 1-2' x 3/4" pony rod, 98-7/8" guided rods, 106-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 4 x 17' RHAC w/SM plunger
 STROKE LENGTH: 84"
 PUMP SPEED, 5 SPM:

FRAC JOB

06/13/06	5448-5571'	Frac CP2, LODC sands as follows: 50237# 20/40 sand in 500 bbls Lightning 17 frac fluid. Treated @ avg press of 1778 psi w/avg rate of 25.2 BPM. ISIP 1790 psi. Calc flush: 5569 gal. Actual flush: 4939 gal.
06/13/06	5126-5137'	Frac LODC sands as follows: 40237# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2027 psi w/avg rate of 25.1 BPM. ISIP 2025 psi. Calc flush: 5135 gal. Actual flush: 4658 gal.
06/13/06	5040-5051'	Frac A1 sands as follows: 89409# 20/40 sand in 650 bbls Lightning 17 frac fluid. Treated @ avg press of 2340 psi w/avg rate of 25 BPM. ISIP 2875 psi. Calc flush: 5049 gal. Actual flush: 4494 gal.
06/13/06	4620-4626'	Frac D1, sands as follows: 41156# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 1775 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 4624 gal. Actual flush: 4494 gal.



PERFORATION RECORD

06/06/06	5567-5571'	4 JSPF	16 holes
06/06/06	5489-5493'	4 JSPF	16 holes
06/06/06	5448-5461'	4 JSPF	52 holes
06/13/06	5126-5137'	4 JSPF	44 holes
06/13/06	5040-5051'	4 JSPF	44 holes
06/13/06	4620-4626'	4 JSPF	24 holes

NEWFIELD

Ashley Federal 6-22-9-15

1949' FNL & 1157' FWL

SE/NW Section 22-T9S-R15E

Duchesne Co, Utah

API #43-013-32857; Lease #UTU-68548

Ashley Federal 13-15-9-15

Spud Date: 7/07/04
 Put on Production: 9/30/04
 GL: 6381' KB: 6393'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore Diagram

SURFACE CASING

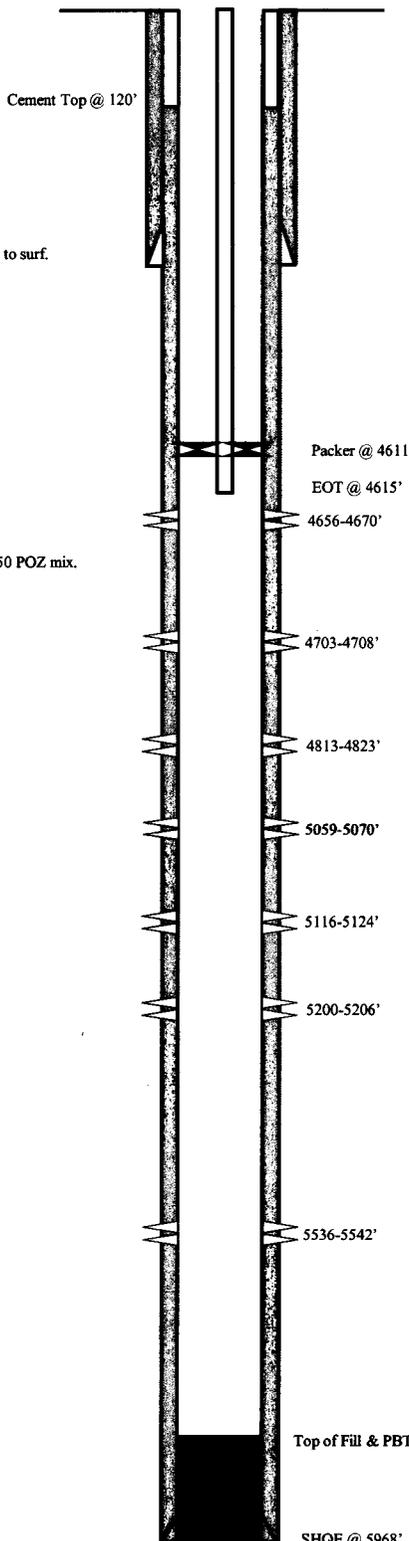
CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.15')
 DEPTH LANDED: 322.15' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150sxs Class "G" mixed cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (5972.35')
 DEPTH LANDED: 5967.95' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 285 sxs Prem. Lite II mixed & 375 sxs 50/50 POZ mix.
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#
 NO. OF JOINTS: 149 jts (4594.54')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4606.54' KB
 TOTAL STRING LENGTH: EOT @ 4615.14' w/ 12' KB



FRAC JOB

9/23/04	5536-5542'	Frac CP Stray sands as follows: 19,181#s 20/40 sand in 210 bbls Lightning Frac 17 fluid. Treated @ avg press of 2139 psi w/avg rate of 25 BPM. Screened out.
9/27/04	5059-5206'	Frac LODC, A3 & A1 sands as follows: 84,620# 20/40 sand in 634 bbls Lightning Frac 17 fluid. Treated @ avg press of 1680 psi w/avg rate of 24.6 BPM. ISIP 2250 psi. Calc flush: 5057 gal. Actual flush: 5057 gal.
9/27/04	4813-4823'	Frac C sands as follows: 34,882# 20/40 sand in 342 bbls Lightning Frac 17 fluid. Treated @ avg press of 1940 psi w/avg rate of 24.5 BPM. ISIP 2150 psi. Calc flush: 4811 gal. Actual flush: 4851 gal
9/27/04	4656-4708'	Frac D1 & D2 sands as follows: 63,071# 20/40 sand in 496 bbls lightning Frac 17 fluid. Treated @ avg press of 1975 psi w/avg rate of 24.6 BPM. ISIP 2400 psi. Calc flush: 4654 gal. Actual flush: 4570 gal.
7/6/06		Well converted to an Injection well.
8/18/06		MIT completed and submitted.

PERFORATION RECORD

9/17/04	5536-5542'	4 JSPF	24 holes
9/24/04	5200-5206'	4 JSPF	24 holes
9/24/04	5116-5124'	4 JSPF	32 holes
9/24/04	5059-5070'	4 JSPF	44 holes
9/27/04	4813-4823'	4 JSPF	40 holes
9/27/04	4703-4708'	4 JSPF	20 holes
9/27/04	4656-4670'	4 JSPF	56 holes



Ashley Federal 13-15-9-15
 530' FSL & 444' FWL
 SW/SW Section 15-T9S-R15E
 Duchesne Co, Utah
 API #43-013-32441; Lease #UTU-68548

Ashley Federal 14-15-9-15

Spud Date: 8/23/2004
 Put on Production: 10/06/2004
 GL: 6391' KB: 6403'

Injection Wellbore Diagram

SURFACE CASING

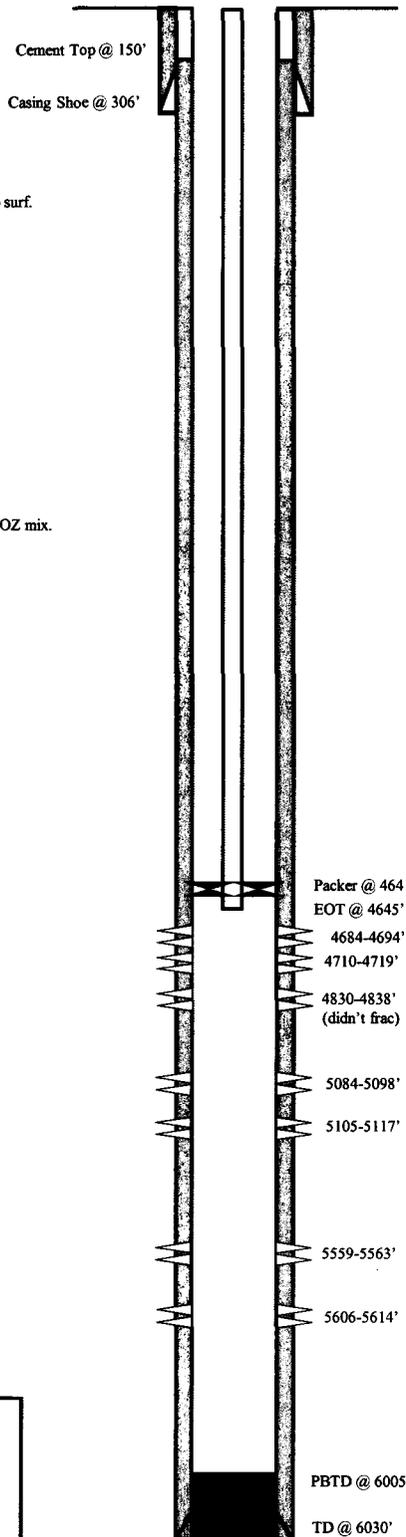
CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (295.84')
 DEPTH LANDED: 305.84' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (6022.12')
 DEPTH LANDED: 6020.12' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 285 sxs Prem. Lite II & 375 sxs 50/50 POZ mix.
 CEMENT TOP AT: 150'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#
 NO. OF JOINTS: 142 jts (4624.5')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4636.5' KB
 CE @ 4640.90'
 TOTAL STRING LENGTH: EOT @ 4645' w/ 12' KB



FRAC JOB

09/30/04 5559-5614' **Frac CP1 and CP stray sands as follows:**
 40,404# 20/40 sand in 390 bbls lightning Frac 17 fluid. Treated @ avg press of 1975 psi w/avg rate of 24.7 BPM. ISIP 1980 psi. Calc flush: 5557 gal. Actual flush: 5552 gal.

10/01/04 5084-5117' **Frac A1, A3 sands as follows:**
 135,492# 20/40 sand in 928 bbls lightning Frac 17 fluid. Treated @ avg press of 2040 psi w/avg rate of 30.9 BPM. ISIP 2500 psi. Calc flush: 5082 gal. Actual flush: 5082 gal.

09/27/04 4684-4719' **Frac D1 and D2 sands as follows:**
 81,058# 20/40 sand in 591 bbls lightning Frac 17 fluid. Treated @ avg press of 2100 psi w/avg rate of 24.9 BPM. ISIP 2500 psi. Calc flush: 4682 gal. Actual flush: 4599 gal.

12/16/2010 **Pump Change.** Update rod and tubing details.
 3/18/11 **Convert to Injection well**
 3/22/11 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	JSPF	Holes
9/22/04	5606-5614'	4 JSPF	32 holes
9/22/04	5559-5563'	4 JSPF	16 holes
10/1/04	5105-5117'	4 JSPF	48 holes
10/1/04	5084-5098'	4 JSPF	56 holes
10/1/04	4830-4838'	4 JSPF	32 holes
10/1/04	4710-4719'	4 JSPF	36 holes
10/1/04	4684-4694'	4 JSPF	40 holes

NEWFIELD

Ashley Federal 14-15-9-15

465' FSL 1409' FWL

SE/SW Section 15-T9S-R15E

Duchesne Co., Utah

API# 43-013-32440; Lease # UTU-68548

Ashley Fed D-22-9-15

Spud Date: 7-10-10
 Put on Production 8-3-10
 GL: 6380' KB: 6392'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH 8 jts. (338.0')
 DEPTH LANDED: 349.85'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 180 sxs Class "G", circ. 9 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 145 jts. (6155.54')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 6171.54'
 CEMENT DATA: 280 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 80' per CBL 7/27/10

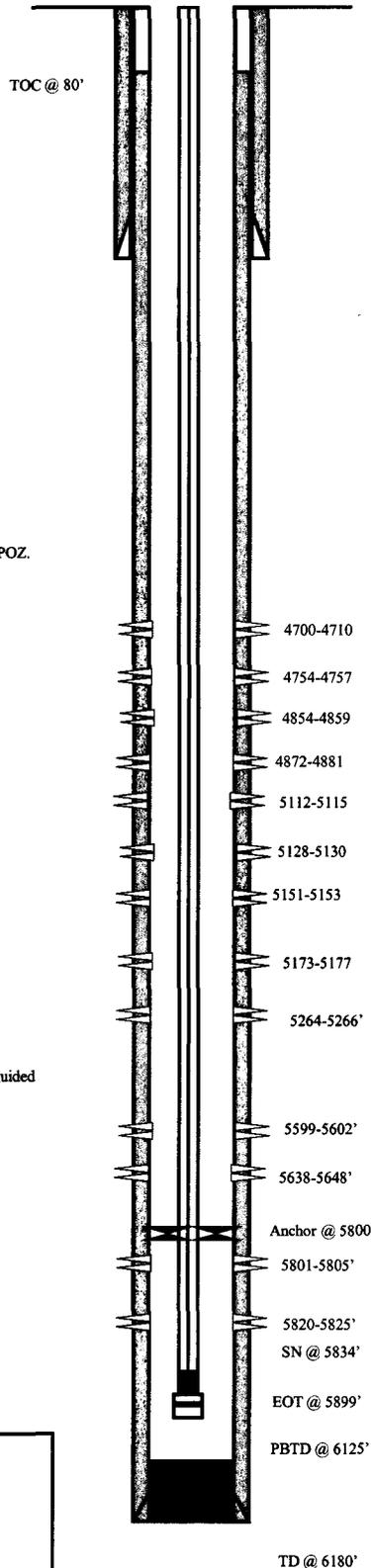
TUBING (GI 2/16/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 185 jts (5788.03')
 TUBING ANCHOR: 5800.03'
 NO. OF JOINTS: 1 jts (31.46')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5834.29' KB
 NO. OF JOINTS: 2 jts (62.86')
 NOTCHED COLLAR: 2-7/8" (0.45')
 TOTAL STRING LENGTH: EOT @ 5898.70'

SUCKER RODS (GI 4/30/13)

POLISHED ROD: 1-1/2" x 30'
 SUCKER ROD: 2', 4', 6', 8' x 7/8" pony rods, 228 x 7/8" 8 per guided rods, 4 x 1-1/2" weight bars.
 PUMP SIZE: 2-1/2" x 1-1/2" x 20' x 24' RHAC
 STROKE LENGTH: 146"
 PUMP SPEED, SPM: 5.5
 PUMPING UNIT: DARCO C-640-365-168

Wellbore Diagram



FRAC JOB

8-4-10 5801-5825' **Frac CP3 sands as follows:**Frac with 14441# 20/40sand in 128bbls Lightning 17.
 8-4-10 5599-5648' **Frac Cpstray & CP1 sands as follows:**Frac with 38100# 20/40sand in 265bbls Lightning 17.
 8-4-10 5112-5266' **Frac A1, A3 & LODC sands as follows:**Frac with 63901# 20/40sand in 389bbls Lightning 17.
 8-4-10 4854-4881' **Frac C sands as follows:**Frac with 48456# 20/40sand in 311bbls Slick Water.
 8-4-10 4700-4757' **Frac D1 & D3sands as follows:**Frac with 42006# 30/50sand in 287bbls Lightning 17..
 4/25/2011 Tubing Leak. Rod and Tubing detail updated.
 2/21/12 Tubing Leak: Updated Rod & Tubing detail

PERFORATION RECORD

Depth Range	Number of JSPF	Number of Holes
5820-5825'	3	15holes
5801-5805'	3	12holes
5638-5648'	3	30holes
5599-5602'	3	9holes
5264-5266'	3	6holes
5173-5177'	3	12holes
5151-5153'	3	6holes
5128-5130'	3	6holes
5112-5115'	3	9holes
4872-4881'	3	27holes
4854-4859'	3	15holes
4754-4757'	3	9 holes
4700-4710'	3	30holes

NEWFIELD

Ashley Fed D-22-9-15

SL: 893' FNL & 470' FWL (NW/NW)
 Section 22, T9S, R15

Duchesne Co, Utah

API # 43-013-33942; Lease UTU-68548

Ashley Federal 3-22-9-15

Spud Date: 8/17/2004
 Put on Production: 9/20/2004
 GL: 6369' KB: 6381'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore Diagram

SURFACE CASING

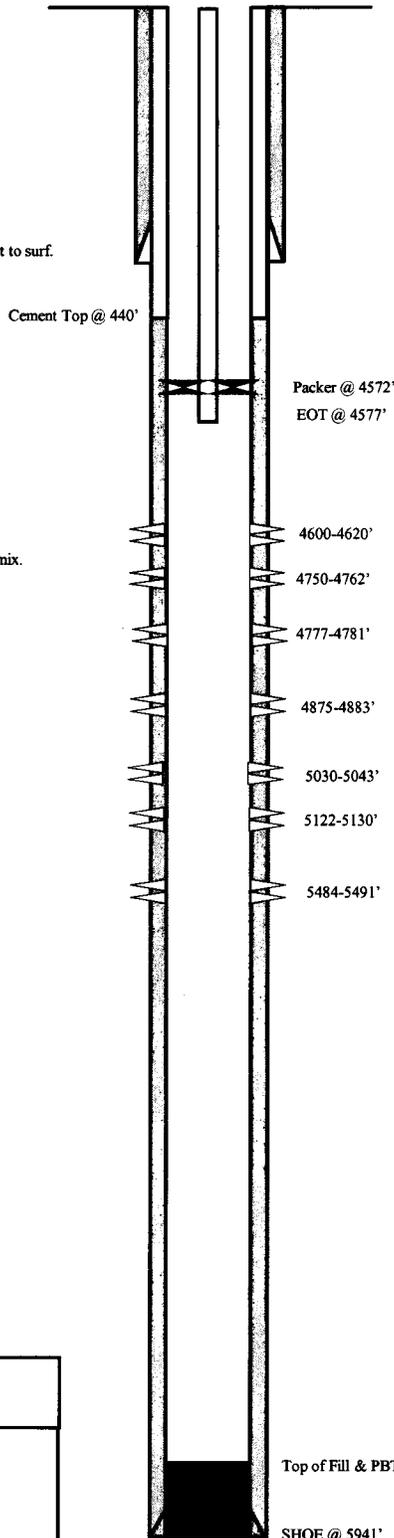
CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (300.79')
 DEPTH LANDED: 310.79' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs Class "G" mixed cmt, est 4.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (5945.37')
 DEPTH LANDED: 5940.97' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 275 sxs Prem. Lite II & 375 sxs 50/50 POZ mix.
 CEMENT TOP AT: 440'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts (4556.16')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4568.16' KB
 TOTAL STRING LENGTH: EOT @ 4576.66' w/ 12' KB



FRAC JOB

09/15/04	5484-5491'	Frac CP/stray sands as follows: 29,821# 20/40 sand in 335 bbls lightning Frac 17 fluid. Treated @ avg press of 2154 psi w/avg rate of 25.3 BPM. ISIP 3920 psi. Calc flush: 5482 gal. Actual flush: 5502 gal.
09/15/04	5030-5130'	Frac A3 and LODC sands as follows: 53,951# 20/40 sand in 454 bbls lightning Frac 17 fluid. Treated @ avg press of 1964 psi w/avg rate of 25.2 BPM. ISIP 2570 psi. Calc flush: 5028 gal. Actual flush: 5069 gal.
09/16/04	4875-4883'	Frac B1 sands as follows: 25,085# 20/40 sand in 292 bbls lightning Frac 17 fluid. Treated @ avg press of 1964 psi w/avg rate of 25.2 BPM. ISIP 2200 psi. Calc flush: 4873 gal. Actual flush: 4872 gal.
09/16/04	4750-4781'	Frac C sands as follows: 34,501# 20/40 sand in 334 bbls lightning Frac 17 fluid. Treated @ avg press of 2198 psi w/avg rate of 24.8 BPM. ISIP 3250 psi. Calc flush: 4748 gal. Actual flush: 4746 gal.
09/16/04	4600-4620'	Frac D1 sands as follows: 94,299# 20/40 sand in 649 bbls lightning Frac 17 fluid. Treated @ avg press of 1841 psi w/avg rate of 25.3 BPM. ISIP 2400 psi. Calc flush: 4598 gal. Actual flush: 4515 gal.
7/24/06		Well converted to an Injection well.
8/1/06		MIT completed and submitted.

PERFORATION RECORD

9/13/04	5484-5491'	4 JSPF	28 holes
9/15/04	5122-5130'	4 JSPF	32 holes
9/15/04	5030-5043'	4 JSPF	52 holes
9/15/04	4875-4883'	4 JSPF	32 holes
9/16/04	4777-4781'	4 JSPF	16 holes
9/16/04	4750-4762'	4 JSPF	48 holes
9/16/04	4600-4620'	4 JSPF	80 holes

NEWFIELD

Ashley Federal 3-22-9-15
 795' FNL 1565' FWL
 NE/NW Section 22-T9S-R15E
 Duchesne Co., Utah
 API# 43-013-32429; Lease # UTU-68548

Top of Fill & PBTD @ 5919'

SHOE @ 5941'

TD @ 5956'

NEWFIELD

Schematic

43-013-32643

Well Name: Ashley 2-22-9-15

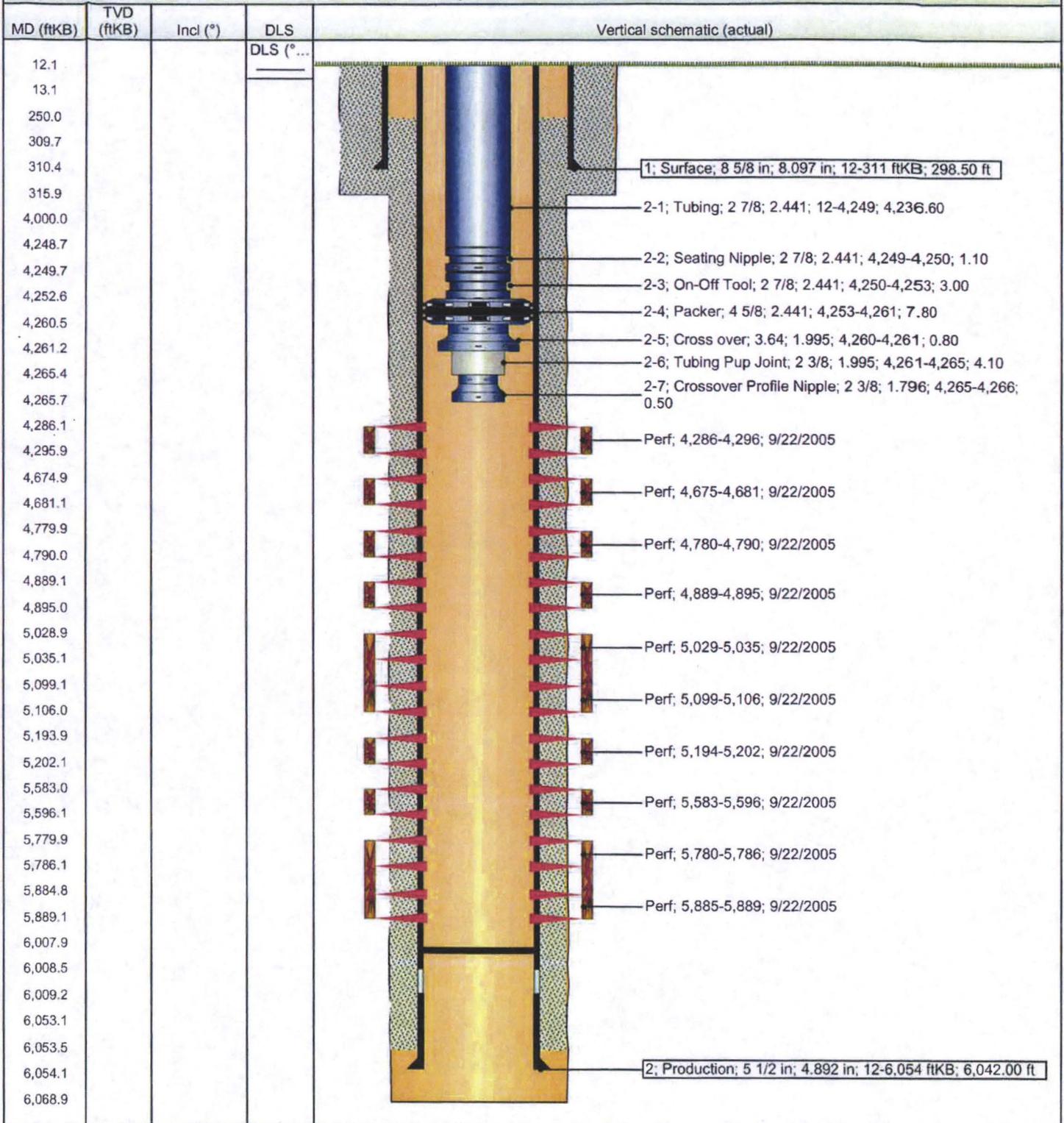
Surface Legal Location 22-9S-15E		API/UWI 43013326430000	Well RC 500151918	Lease	State/Province Utah	Field Name GMBU CTB2	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 9/29/2005	Original KB Elevation (ft) 6,425	Ground Elevation (ft) 6,413	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,008.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 2/4/2014	Job End Date 2/7/2014
---------------------------------------	--------------------------------	-----------------------------	----------------------------	--------------------------

TD: 6,069.0

Vertical - Original Hole, 10/29/2014 1:55:04 PM



Ashley Federal 5-22-9-15

Spud Date: 9/14/05
 Put on Production: 10/25/05
 GL: 6401' KB: 6413'

Initial Production: BOPD 72,
 MCFD 30, BWPD 73

Injection Wellbore Diagram

SURFACE CASING

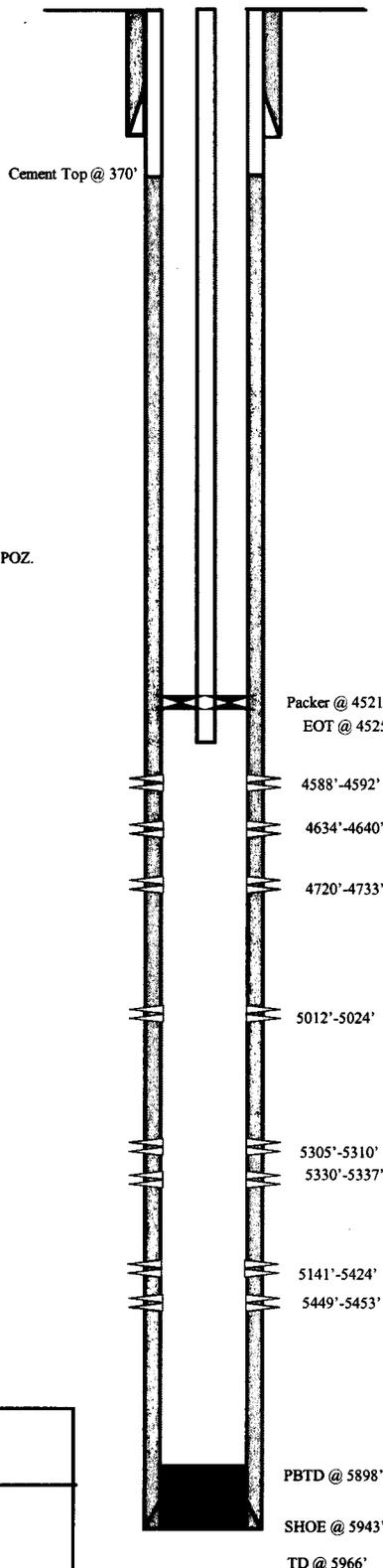
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (301.3')
 DEPTH LANDED: 311.3 KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts. (5945.05')
 DEPTH LANDED: 5943.05' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 370'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4504.73')
 SEATING NIPPLE: 2-7/8" (.45")
 SN LANDED AT: 4517.83' KB
 TOTAL STRING LENGTH: EOT @ 4525.13' W/12' KB



FRAC JOB

10/17/05	5305'-5453'	Frac LODC sands as follows: 80,159# 20/40 sand in 606 bbls Lightning Frac 17 fluid. Treated @ avg press of 1754 psi w/avg rate of 24.6 BPM. ISIP 1980 psi. Calc flush: 5303 gal. Actual flush: 4918 gal.
10/17/05	5012'-5024'	Frac A3 sands as follows: 50,590# 20/40 sand in 422 bbls Lightning Frac 17 fluid. Treated @ avg press of 2012 psi w/avg rate of 24.6 BPM. ISIP 2080 psi. Calc flush: 5010 gal. Actual flush: 4662 gal.
10/20/05	4720'-4733'	Frac C sands as follows: 70,157# 20/40 sand in 5370 bbls Lightning Frac 17 fluid. Treated @ avg press of 1786 psi w/avg rate of 24.9 BPM. ISIP 1770 psi. Calc flush: 4718 gal. Actual flush: 4494 gal.
10/20/05	4588'-4640'	Frac D1&D2 sands as follows: 33,759# 20/40 sand in 377 bbls Lightning Frac 17 fluid. Treated @ avg press of 1914 psi w/avg rate of 24.1 BPM. ISIP 1850 psi. Calc flush: 4586 gal. Actual flush: 4490 gal.
4/10/07		CONVERSION - Well converted from an oil well to an injection well. MIT completed and submitted.

PERFORATION RECORD

10/14/05	5449'-5453'	4 JSPF	16 holes
10/14/05	5414'-5424'	4 JSPF	40 holes
10/14/05	5330'-5337'	4 JSPF	28 holes
10/14/05	5305'-5310'	4 JSPF	20 holes
10/17/05	5012'-5024'	4 JSPF	48 holes
10/17/05	4720'-4733'	4 JSPF	52 holes
10/20/05	4634'-4640'	4 JSPF	24 holes
10/20/05	4588'-4592'	4 JSPF	16 holes

NEWFIELD

Ashley Federal 5-22-9-15
 1888 FNL & 541 FWL
 SW/NW Sec. 22, T9S R15E
 Duchesne County, UT
 API# 43-013-32644; Lease# UTU-66185

Ashley Federal 7-22-9-15

Spud Date: 12/09/2004
 Put on Production: 01/28/2005
 GL: 6454' KB: 6466'

Initial Production: 50 BOPD,
 69 MCFD, 5 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (290.24')
 DEPTH LANDED: (300.24')
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class G, 3 bbls cmt to surface

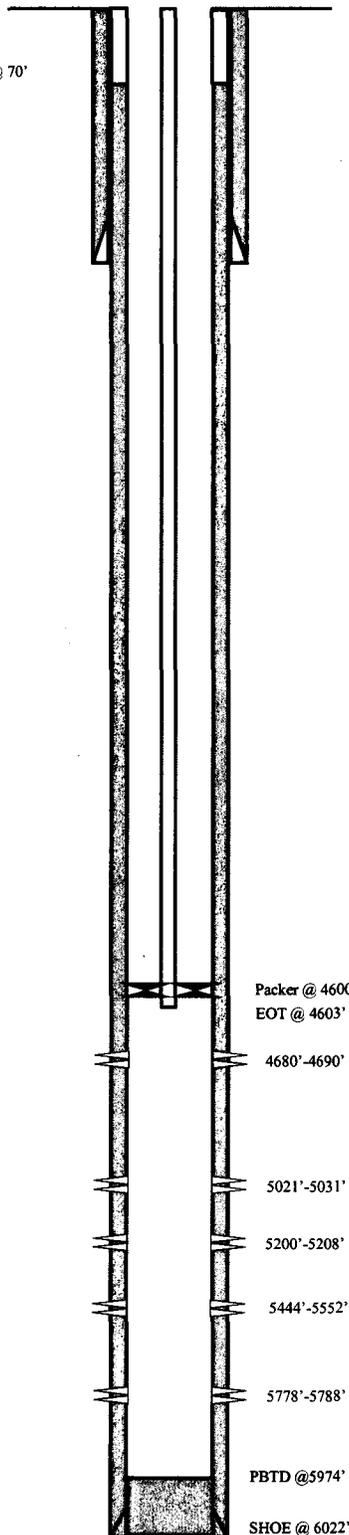
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (6023.59')
 DEPTH LANDED: (6021.59')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 345 sxs Premilite II & 500 sxs 50/50 POZ.
 CEMENT TOP AT: 70'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts (4583.05')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4595.05' KB
 CE @ 4599.75'
 TOTAL STRING LENGTH: EOT @ 4603.55' w/ 12' KB

Cement top @ 70'



FRAC JOB

Date	Interval	Description
01/24/05	5778'-5788'	Frac CP4 sands as follows: 26,787# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press. of 2127 w/ avg rate of 24.8 bpm. ISIP 2180. Calc flush: 5776 gal. Actual flush: 5783 gal.
01/25/05	5444'-5552'	Frac CP STRAY sands as follows: 15,972# 20/40 sand in 232 bbls Lightning 17 frac fluid. Treated @ avg press. of 2285 w/ avg rate of 24.6 bpm. ISIP 2100. Calc flush: 5442 gal. Actual flush 5544 gal.
01/25/05	5200'-5208'	Frac LODC sands as follows: 20,035# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press. of 2585 w/ avg rate of 24.2 bpm. ISIP 2440. Calc flush: 5198 gal. Actual flush: 5250 gal.
01/25/05	5021'-5031'	Frac A.5 sands as follows: 19,716# 20/40 sand in 272 bbls lightning 17 frac fluid. Treated @ avg press. of 1960 w/ avg rate of 14.4bpm ISIP 2360. Calc flush: 5019 gal. Actual Flush: 5040 gal.
01/25/05	4680'-4690'	Frac D1 sands as follows: 42,888# 20/40 sand in 380 bbls lightning 17 frac fluid. Treated @ avg press. of 1737 w/ avg rate of 24.7 bpm ISIP 2080 Calc flush: 4678 gal. Actual flush: 4578 gal.
5/12/06		Well converted to an injection well.
6/8/06		MIT completed and submitted.
05/04/11		5 YR MIT Completed

PERFORATION RECORD

Date	Interval	SPF	Holes
1/19/2005	5778'-5788'	4 SPF	40 holes
1/25/2005	5444'-5552'	4 SPF	32 holes
1/25/2005	5200'-5208'	4 SPF	32 holes
1/25/2005	5021'-5031'	4 SPF	40 holes
1/25/2005	4680'-4690'	4 SPF	40 holes

NEWFIELD

Ashley Federal 7-22-9-15

2016' FNL & 1867' FEL

SW/NE Section 22-T9S-R15E

Duchesne Co, Utah

API #43-013-32487; Lease #UTU-68548

Ashley Federal 11-22-9-15

Spud Date: 5-9-2006
 Put on Production: 6-13-2006
 GL: 6521' KB: 6533'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore
 Diagram

SURFACE CASING

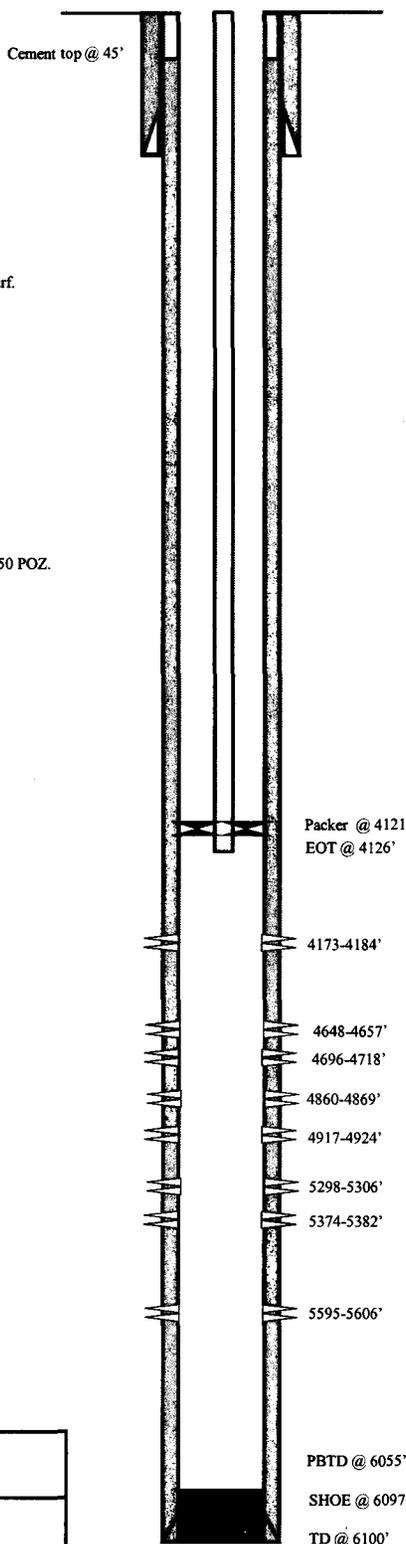
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (300.51')
 DEPTH LANDED: 311.41' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 142 jts (6084.44')
 DEPTH LANDED: 6097.69' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 45'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 **16.5#**
 NO. OF JOINTS: 130 jts (4105.12')
 TUBING ANCHOR: 4121.32'
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4117.12'
 TOTAL STRING LENGTH: EOT @ 4125.72'



FRAC JOB

06-07-06	5595-5606'	Frac CPI sands as follows: 34632# 20/40 sand in 461 bbls Lightning 17 frac fluid. Treated @ avg press of 1887 psi w/avg rate of 25 BPM. ISIP 1925 psi. Calc flush: 5593 gal. Actual flush: 5082 gal.
06-07-06	5298-5382'	Frac LODOC sands as follows: 50332# 20/40 sand in 505 bbls Lightning 17 frac fluid. Treated @ avg press of 2650 psi w/avg rate of 28 BPM. ISIP 2740 psi. Calc flush: 5372 gal. Actual flush: 4788 gal.
06-07-06	4860-4924'	Frac B1, & B.5 sands as follows: 54968# 20/40 sand in 461 bbls Lightning 17 frac fluid. Treated @ avg press of 1977 psi w/avg rate of 25.2 BPM. ISIP 2175 psi. Calc flush: 4858 gal. Actual flush: 4368 gal.
06-08-06	4648-4718'	Frac D1, & D2 sands as follows: 130732# 20/40 sand in 885 bbls Lightning 17 frac fluid. Treated @ avg press of 1667 w/avg rate of 25.2 BPM. ISIP 2000 psi. Calc flush: 4646 gal. Actual flush: 4116 gal.
06-08-06	4173-4184'	Frac GB6 sands as follows: 32191# 20/40 sand in 359 bbls Lightning 17 frac fluid. Treated @ avg press of 2103 w/avg rate of 25.1 BPM. ISIP 2200 psi. Calc flush: 4171 gal. Actual flush: 4074 gal.
7/31/07		Pump change. Updated rod & tubing detail.
2/15/08		Well converted to an Injection well.
2/29/08		MIT completed and submitted.

PERFORATION RECORD

06-01-06	5595-5606'	4 JSPF	44 holes
06-07-06	5374-5382'	4 JSPF	32 holes
06-07-06	5298-5306'	4 JSPF	32 holes
06-07-06	4917-4924'	4 JSPF	28 holes
06-07-06	4860-4869'	4 JSPF	36 holes
06-07-06	4696-4718'	4 JSPF	88 holes
06-07-06	4648-4657'	4 JSPF	36 holes
06-08-06	4173-4184'	4 JSPF	44 holes

NEWFIELD

Ashley Federal 11-22-9-15

1880' FSL & 1582' FWL

NE/SW Section 22-T9S-R15E

Duchesne Co, Utah

API #43-013-32826; Lease #UTU-66185

NEWFIELD



Schematic

43-013-32859

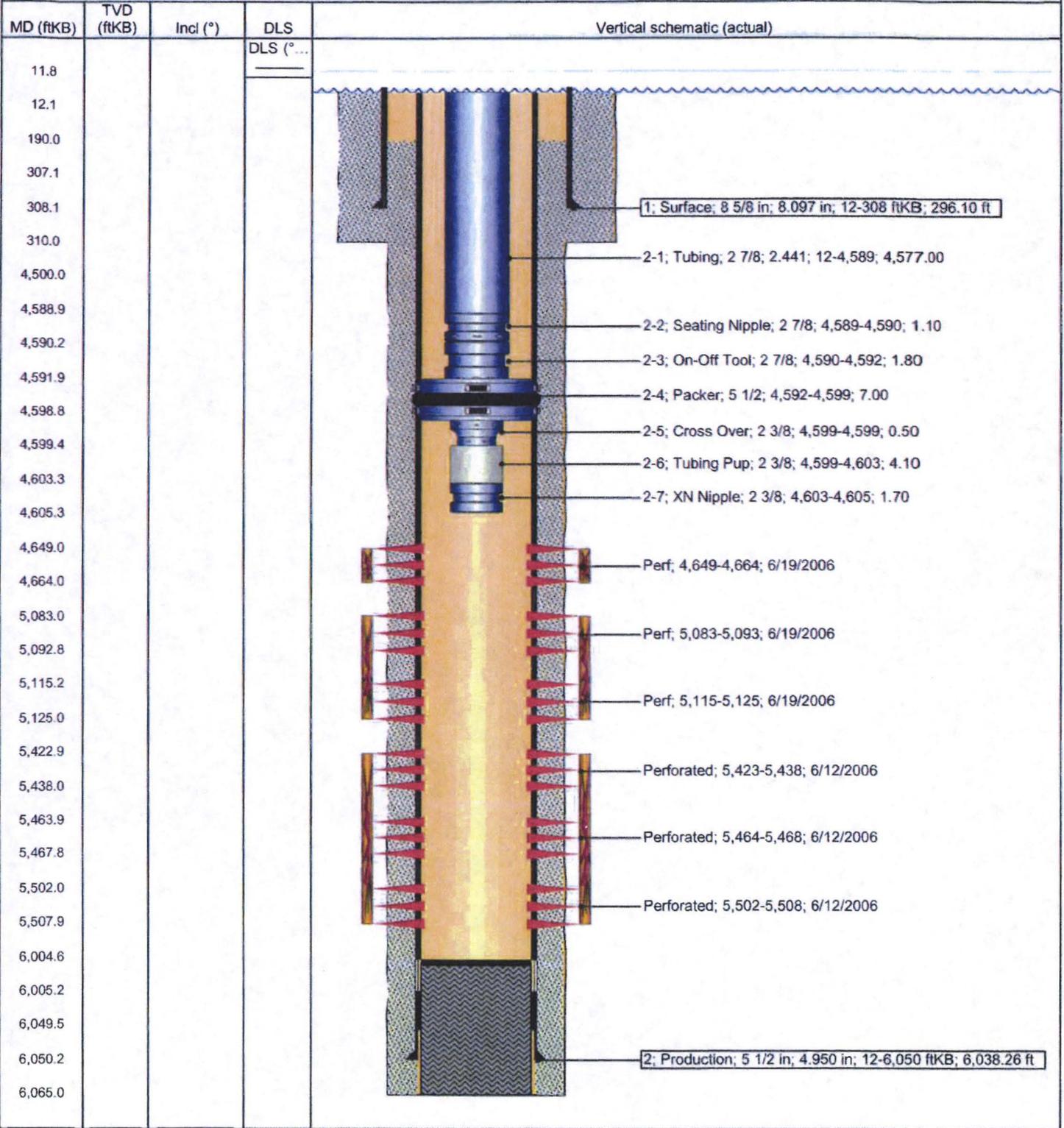
Well Name: Ashley 12-22-9-15

Surface Legal Location 22-9S-15E		API/UWI 43013328590000	Well RC 500158959	Lease	State/Province Utah	Field Name GMBU CTB2	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 6/22/2006	Original KB Elevation (ft) 12	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 6,004.7

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 1/27/2014	Job End Date 1/31/2014
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TD: 6,065.0 Vertical - Original Hole, 10/29/2014 1:50:32 PM



NEWFIELD

Schematic

Well Name: Ashley 10-22-9-15

43-013-32825

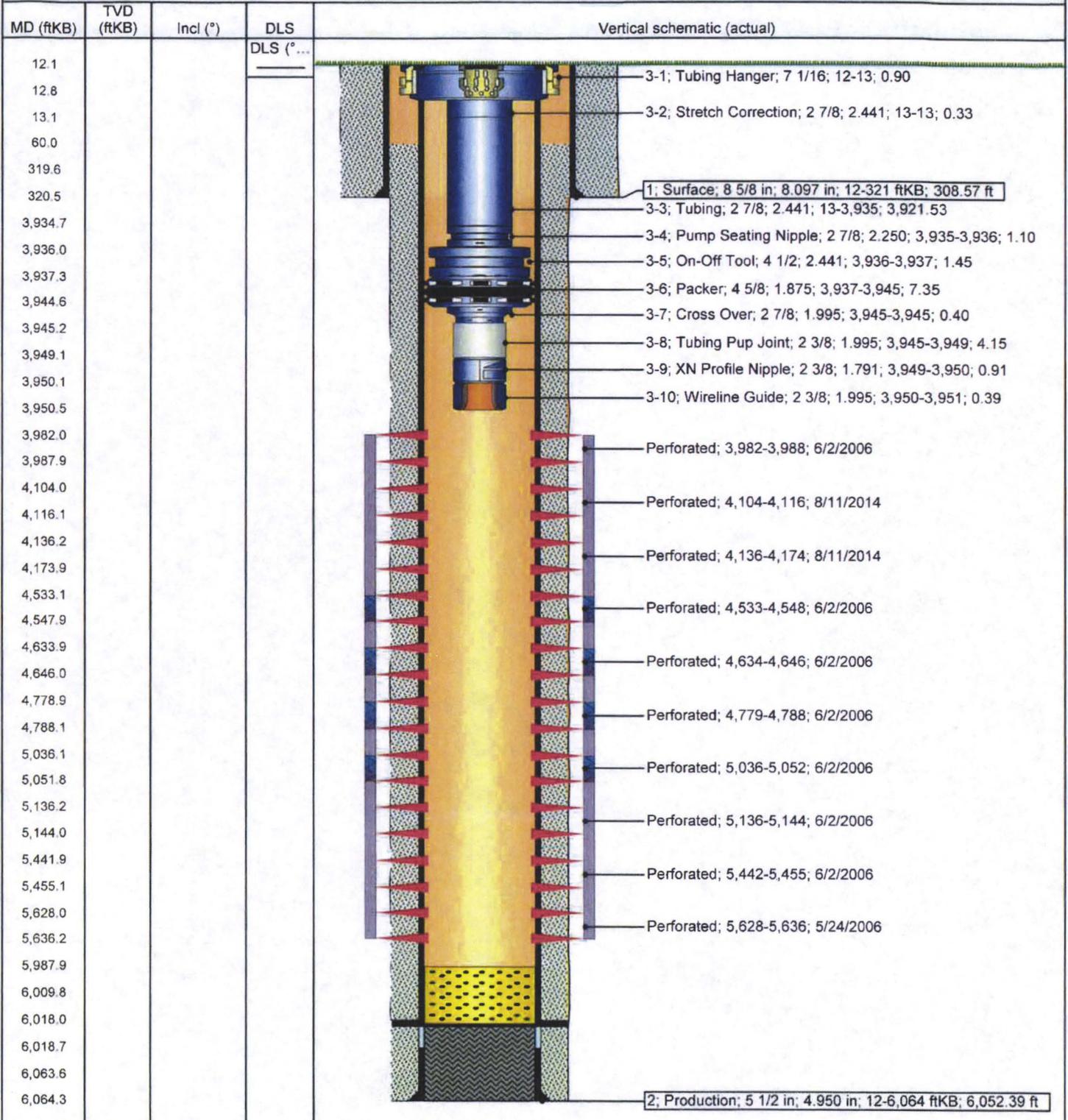
Surface Legal Location 22-9S-15E		API/UWI 43013328250000	Well RC 500159399	Lease	State/Province Utah	Field Name GMBU CTB2	County DUCHESNE
Spud Date	Rig Release Date 8/13/2014	On Production Date 6/7/2006	Original KB Elevation (ft) 6,464	Ground Elevation (ft) 6,452	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,018.1	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 8/7/2014	Job End Date 8/21/2014
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TD: 6,064.4

Vertical - Original Hole, 8/25/2014 1:00:54 PM



Spud Date: 04/24/06
 Put on Production: 06/02/06
 K.B.: 6489, G.L.: 6477

Ashley Federal 8-22-9-15

Injection Wellbore
Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (299.94')
 DEPTH LANDED: 311.79' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt. est. 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6058.28')
 DEPTH LANDED: 6119.63' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 55'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 130 jts (4101.4')
 SEATING NIPPLE: 2-7/8" (1.10")
 SN LANDED AT: 4113.4' KB
 ON/OFF TOOL AT: 4114.5'
 ARROW #1 PACKER CE AT: 4119.8'
 XO 2-3/8 x 2-7/8 J-55 AT: 4123.5'
 TBG PUP 2-3/8 J-55 AT: 4124'
 X:N NIPPLE AT: 4128.2'
 TOTAL STRING LENGTH: EOT @ 4129.73'

FRAC JOB

05/25/06 5554-5646' **Frac LODC, CP2, sands as follows:**
 66054# 20/40 sand in 522 bbls Lightning 17
 frac fluid. Treated @ avg press of 1772 psi
 w/avg rate of 25.3 BPM. ISIP 2175 psi. Calc
 flush: 5644gal Actual flush: 5040 gal.

05/25/06 4804-4835' **Frac D3, C sands as follows:**
 59712# 20/40 sand in 468 bbls Lightning 17
 frac fluid. Treated @ avg press of 1963 psi
 w/avg rate of 25.2 BPM. ISIP 2520 psi. Calc
 flush: 4833 gal. Actual flush: 4284 gal.

05/31/06 4702-4708' **Frac D1 sands as follows:**
 19553# 20/40 sand in 289 bbls Lightning 17
 frac fluid. Treated @ avg press of 2515 psi
 w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc
 flush: 4706 gal. Actual flush: 4242 gal.

05/31/06 4612-4634' **Frac DS3 sands as follows:**
 88286# 20/40 sand in 648 bbls Lightning 17
 frac fluid. Treated @ avg press of 2672 psi
 w/avg rate of 24.9 BPM. ISIP 3495 psi. Calc
 flush: 4632 gal. Actual flush: 4536 gal.

12/05/06 **Pump change.** Update rod and tubing leak.
 01/18/07 **Pump Change.** Rod & Tubing detail updated.
 06/21/07 **Tubing Leak.** Update rod and tubing details.
 3/19/09 **Pump Change.** Updated r & t details.
 6/16/09 **Parted rods.** Updated r & t details.
 3/31/10 **Pump change.** Updated rod and tubing detail

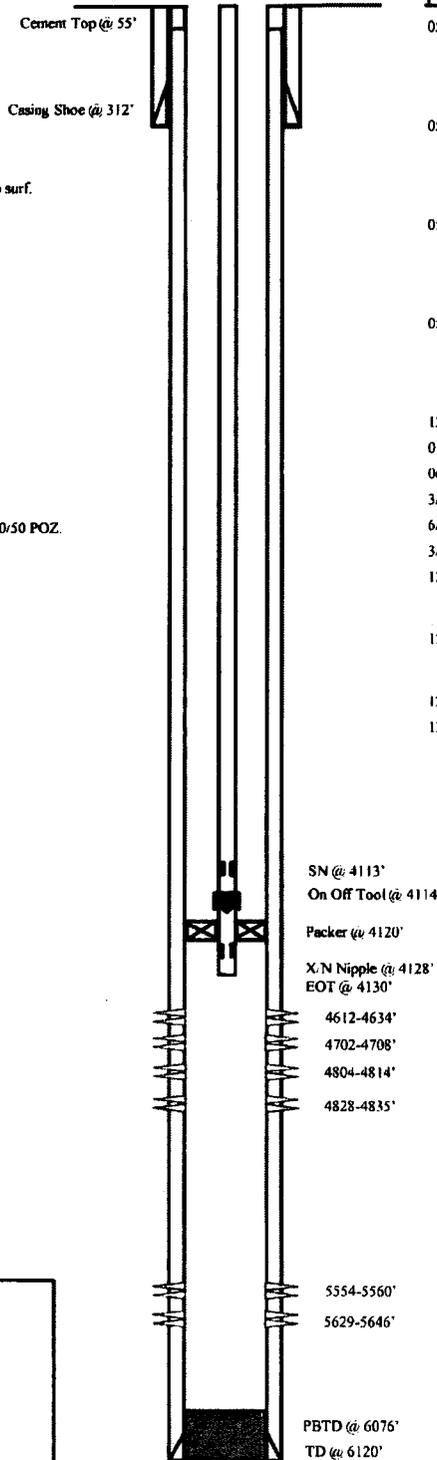
12/02/13 4198-4203' **Frac GB6 sands as follows:**
 15000# 20/40 sand in 178 bbls Lightning 17
 frac fluid.

12/02/13 4160-4168' **Frac GB4 sands as follows:**
 30300# 20/40 sand in 303 bbls Lightning 17
 frac fluid.

12/03/13 **Convert to Injection Well**
 12/05/13 **Conversion MIT Finalized** - update tbg
 detail

PERFORATION RECORD

05/19/06	5629-5646'	4 JSPF	68 holes
05/19/06	5554-5560'	4 JSPF	24 holes
05/25/06	4828-4835'	4 JSPF	28 holes
05/25/06	4804-4814'	4 JSPF	40 holes
05/25/06	4702-4708'	4 JSPF	24 holes
05/31/06	4612-4634'	4 JSPF	88 holes
11/26/13	4198-4203'	3 JSPF	15 holes
11/26/13	4160-4168'	3 JSPF	24 holes



NEWFIELD

Ashley Federal 8-22-9-15
 1813' FNL & 720' FEL
 SE/NE Section 22-T9S-R15E
 Duchesne Co, Utah
 API #43-013-32858; Lease #UTU-66185

Ashley Federal 4-22-9-15

Spud Date: 8/11/04
 Put on Production: 9/16/04
 GL: 6377' KB: 6389'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (290.83')
 DEPTH LANDED: 300.83 KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 7 bbls cmt to surf.

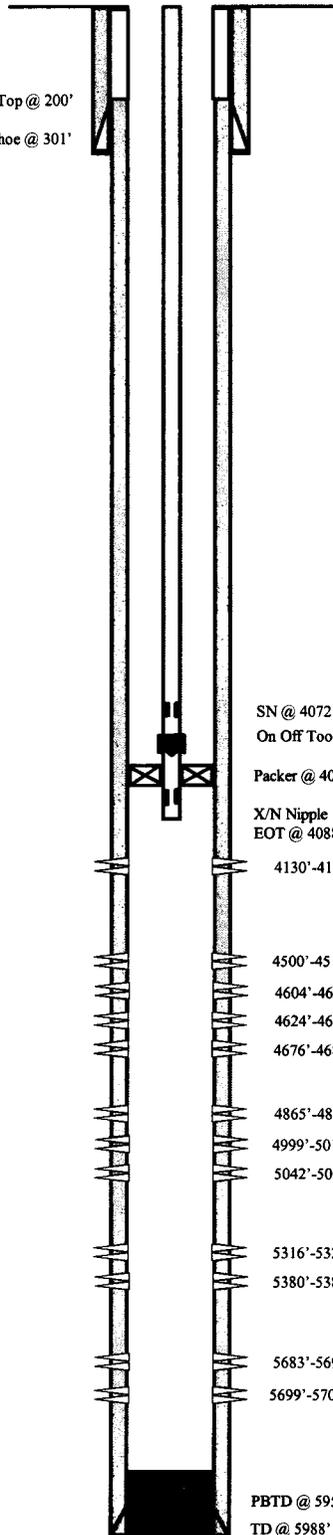
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (5970.13')
 DEPTH LANDED: 5968.13' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 375 sxs 50/50 POZ.
 CEMENT TOP AT: 200'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 125 jts (4060.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4072.4' KB
 ON/OFF TOOL AT: 4073.5'
 ARROW #1 PACKER CE AT: 4078.6'
 XO 2-3/8 x 2-7/8 J-55 AT: 4082.2'
 TBG PUP 2-3/8 J-55 AT: 4082.7'
 X/N NIPPLE AT: 4086.8'
 TOTAL STRING LENGTH: EOT @ 4088.4'

Cement Top @ 200'
 Casing Shoe @ 301'



FRAC JOB

9/09/04	5683'-5709'	Frac CP3 sands as follows: 39,902# 20/40 sand in 390 bbls Lightning Frac 17 fluid. Treated @ avg press of 1780 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 5681 gal. Actual flush: 5683 gal.
9/09/04	5316'-5384'	Frac LODC sands as follows: 25,490# 20/40 sand in 287 bbls Lightning Frac 17 fluid. Treated @ avg press of 2625 psi w/avg rate of 24.9 BPM. ISIP 2550 psi. Calc flush: 5314 gal. Actual flush: 5313 gal.
9/08/04	5042'-5059'	Frac A3 and A1 sands as follows: 130,179# 20/40 sand in 880 bbls Lightning Frac 17 fluid. Treated @ avg press of 1615 psi w/avg rate of 25 BPM. ISIP 2650 psi. Calc flush: 5040 gal. Actual flush: 5040 gal.
9/08/04	4865'-4871'	Frac B1 sands as follows: 19,916# 20/40 sand in 245 bbls Lightning Frac 17 fluid. Treated @ avg press of 2220 psi w/avg rate of 24.8 BPM. ISIP 2150 psi. Calc flush: 4863 gal. Actual flush: 4864 gal.
9/09/04	4604'-4680'	Frac D1, 2 and 3 sands as follows: 120,233# 20/40 sand in 811 bbls Lightning Frac 17 fluid. Treated @ avg press of 1878 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 4602 gal. Actual flush: 4641 gal.
9/09/04	4500'-4510'	Frac DS1 sands as follows: 34,530# 20/40 sand in 324 bbls Lightning Frac 17 fluid. Treated @ avg press of 2116 psi w/avg rate of 24.8 BPM. ISIP 2400 psi. Calc flush: 4498 gal. Actual flush: 4498 gal.
9/09/04	4130'-4140'	Frac GB6 sands as follows: 25,317# 20/40 sand in 257 bbls Lightning Frac 17 fluid. Treated @ avg press of 2191 psi w/avg rate of 14.8 BPM. ISIP 3000 psi. Calc flush: 4128 gal. Actual flush: 4032 gal.

04/26/06
9/28/2010
11/14/13

Tubing Leak. Update rod and tubing details.
Parted rods. Update rod and tubing details.
Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
9/08/04	5699'-5709'	4 JSPF	40 holes
9/08/04	5683'-5690'	4 JSPF	28 holes
9/09/04	5380'-5384'	4 JSPF	16 holes
9/09/04	5316'-5320'	4 JSPF	16 holes
9/09/04	5042'-5059'	4 JSPF	68 holes
9/09/04	4999'-5010'	4 JSPF	44 holes
9/09/04	4865'-4871'	4 JSPF	24 holes
9/09/04	4676'-4680'	4 JSPF	16 holes
9/09/04	4624'-4642'	4 JSPF	72 holes
9/09/04	4604'-4609'	4 JSPF	20 holes
9/09/04	4500'-4510'	4 JSPF	40 holes
9/09/04	4130'-4140'	4 JSPF	40 holes

NEWFIELD

Ashley Federal 4-22-9-15
 862 FNL & 493 FWL
 NW/NW Sec. 22, T9S R15E
 Duchesne, County
 API# 43-013-32428; Lease# UTU-68548

Ashley C-22-9-15

Spud Date: 5/11/2009
 Put on Production: 7/9/2009
 GL: 6413' KB: 6425'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (312.31')
 DEPTH LANDED: 324.16' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 162 jts (6400.3')
 DEPTH LANDED: 6225.39'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 250 sx primlite and 375 sx 50/50 poz
 CEMENT TOP AT: 64'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 172 jts (5466.30')
 TUBING ANCHOR: 5478.30' KB
 NO. OF JOINTS: 1 jt (31.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5512.80' KB
 NO. OF JOINTS: 2 jts (63.6')
 TOTAL STRING LENGTH: EOT @ 5578'

SUCKER RODS

POLISHED ROD: 1 1/2" x 30'
 SUCKER RODS: 4-1 1/2' wt bars, 215-7/8" guided 1-2' x 7/8" pony
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 24' RHAC CDI pump
 STROKE LENGTH: 144"
 PUMP SPEED, SPM: 4

FRAC JOB

7/6/2009 5498-5504' Frac LODC sds as follows:
 34,339# 20/40 sand in 507 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2995 psi w/ ave rate of 27 BPM. ISIP 2583 psi, 5
 min @ 2486 psi, 10 min @ 2438 psi, 15 min @ 2393 psi.

7/6/2009 5346-5354' Frac LODC sds as follows:
 30,724# 20/40 sand in 436 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2818 psi w/ ave rate of 27 BPM. ISIP 2356 psi.

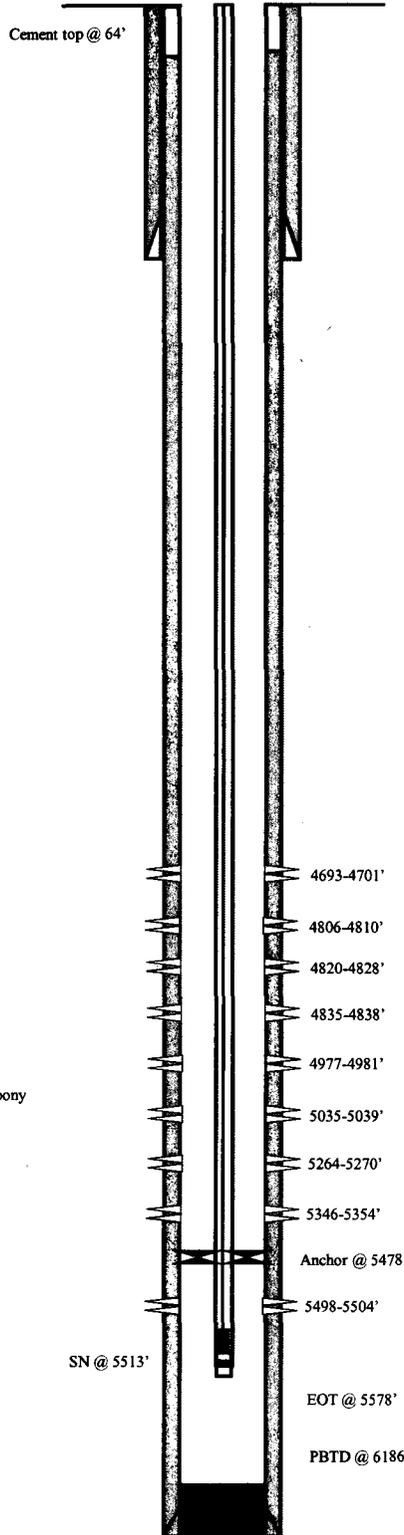
7/6/2009 5264-5270' Frac A3 sds as follows:
 15,504# 20/40 sand in 282 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 3189 psi w/ ave rate of 15.9 BPM. Screened out
 4.6 bbls short of flush. ISIP 4180 psi.

7/6/2009 4977-5039' Frac B.5 & C sds as follows:
 45,501# 20/40 sand in 556 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 3155 psi w/ ave rate of 30.1 BPM. ISIP 2212 psi.

7/6/2009 4806-4838' Frac D1 sds as follows:
 150,584# 20/40 sand in 1069 bbls of Lightning 17 fluid. Treated
 w/ ave pressure of 2530 psi w/ ave rate of 35.3 BPM. ISIP 2173
 psi.

7/6/2009 4693-4701' Frac DS1 sds as follows:
 37,137# 20/40 sand in 366 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2936 psi w/ ave rate of 27 BPM. ISIP 3383 psi.

03/14/10 Pump Change. Rod & Tubing updated.



PERFORATION RECORD

Date	Interval	Tool	Holes
7/6/09	5498-5504'	3 JSPF	18 holes
7/6/09	5346-5354'	3 JSPF	24 holes
7/6/09	5264-5270'	3 JSPF	18 holes
7/6/09	5035-5039'	3 JSPF	12 holes
7/6/09	4977-4981'	3 JSPF	12 holes
7/6/09	4835-4838'	3 JSPF	9 holes
7/6/09	4820-4828'	3 JSPF	24 holes
7/6/09	4806-4810'	3 JSPF	12 holes
7/6/09	4693-4701'	3 JSPF	24 holes

NEWFIELD

Ashley C-22-9-15
 919' FNL & 1801' FEL
 NW/NE Section 22-T9S-R15E
 Duchesne Co, Utah
 API # 43-013-33963; Lease # UTU-33963

MD 6232'
 TVD 6058'

Ashley Federal Q-15-9-15

Spud Date: 12/17/2009
 Put on Production: 01/25/2010
 GL: 6394' KB: 6406'

Wellbore Diagram

FRAC JOB

01-25-10	5535-5587'	Frac LODC sands as follows: Frac with 50434# 20/40 sand in 310 bbls Lightning 17 fluid.
01-25-10	5192-5210'	Frac A1 sands as follows: Frac with 100190# 20/40 sand in 602 bbls Lightning 17 fluid.
01-25-10	478-4796'	Frac D1 sands as follows: Frac with 36821# 20/40 sand in 248 bbls Lightning 17 fluid.
8/23/2011		Pump Change. Rod & tubing detail updated.

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (309.85')
 DEPTH LANDED: 319.85'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160sxs Class "G" cmt, circ 5bbls to surf.

PRODUCTION CASING

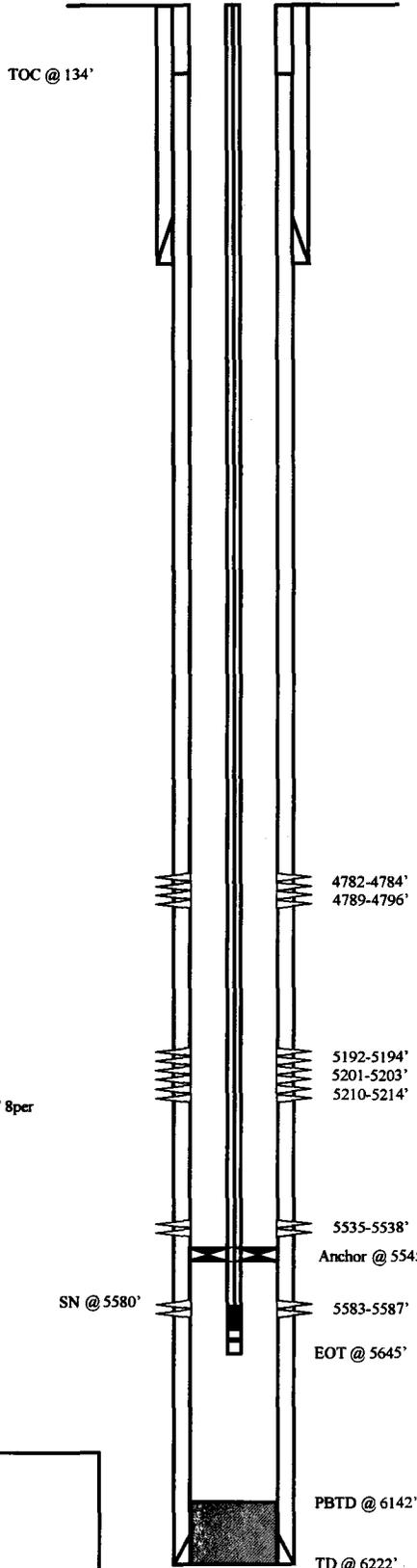
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 151jts (6185.38')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 6183.38'
 CEMENT DATA: 250sxs Premite II & 400sxs 50/50 POZ.
 CEMENT TOP AT: 134' per CBL 1/15/10

TUBING (KS 8/17/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 176jts (5533')
 TUBING ANCHOR: 5545.0'
 NO. OF JOINTS: 1jts (32.5')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5580.3'
 NO. OF JOINTS: 2jts (63.2')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5645'

SUCKER RODS (KS 8/17/11)

POLISHED ROD: 1-1/2" x 30'
 SUCKER RODS: 3 x 4', 6', 8' x 7/8" Pony Rods, 218 x 7/8" 8per
 Guided Rods, 4 x 1-1/2" Sinker Bars
 PUMP SIZE: 2-1/2" x 1-1/4" x 20' x 24' RHAC
 STROKE LENGTH: 146
 PUMP SPEED, SPM: 6.0
 PUMPING UNIT: DARCO C-640-365-168



PERFORATION RECORD

5583-5587'	3 JSPF	12 holes
5535-5538'	3 JSPF	9 holes
5210-5214'	3 JSPF	12 holes
5201-5203'	3 JSPF	6 holes
5192-5194'	3 JSPF	6 holes
4789-4796'	3 JSPF	21 holes
4782-4784'	3 JSPF	6 holes

NEWFIELD



Ashley Federal Q-15-9-15
 471' FSL & 1455' FWL (SE/SW)
 Section 15, T9S, R15E
 Duchesne Co, Utah
 API # 43-013-33986; Lease # UTU-68548

TVD 6101'

43-013-31575

Ute Tribal 28-11

Well History:

2/5/96 Spud Well
 7/25/96 Completed
 7/27/96 First Production

Tops (KB):

Mahogany Shale 2873 ft
 X Marker 4426 ft
 Y Marker 4463 ft
 Douglas Creek 4563 ft
 B Limestone 4890 ft
 Castle Peak 5440 ft
 Basal Carbonate 5914 ft

Perf History:

6/8/1996

D3	5030 to 5036'	33,625# sand
----	---------------	--------------

5/10/2007

D3.3	5022 to 5040'	
------	---------------	--

7/23/1996

D3	4997 to 4999'	
----	---------------	--

C08.1	4809 to 4813'	13,750# sand
-------	---------------	--------------

GL: 6480

KB: 6490

8 5/8" 24# Surface CSG @ 271.14'
 cmt'd w/150 sx

Surface Hole size 12 1/4"

Hole Size 7 7/8" bit

Cement top @ 2550'

5 1/2" 15.5# J-55 CSG @ 5993.66'
 cmt'd w/425 sxs

Tubing: 147 jts of 2 3/8" 4.7#

J-55 @ 4774.49' KB

Packer @ 4770.44'

Perf's:

C08.1 4809 to 4813'

D3 4997 to 4999'

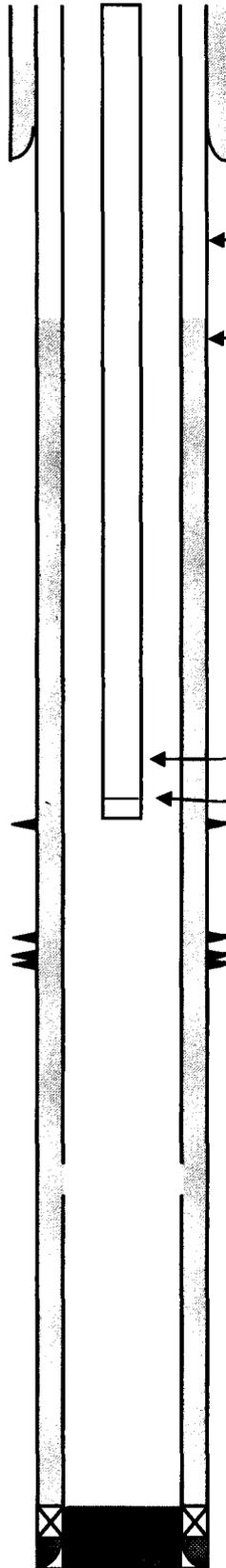
D3.3 5022 to 5040'

D3 5030 to 5036'

FC @ 5947.93'

PBTD @ 5948'

TD @ 6012' KB

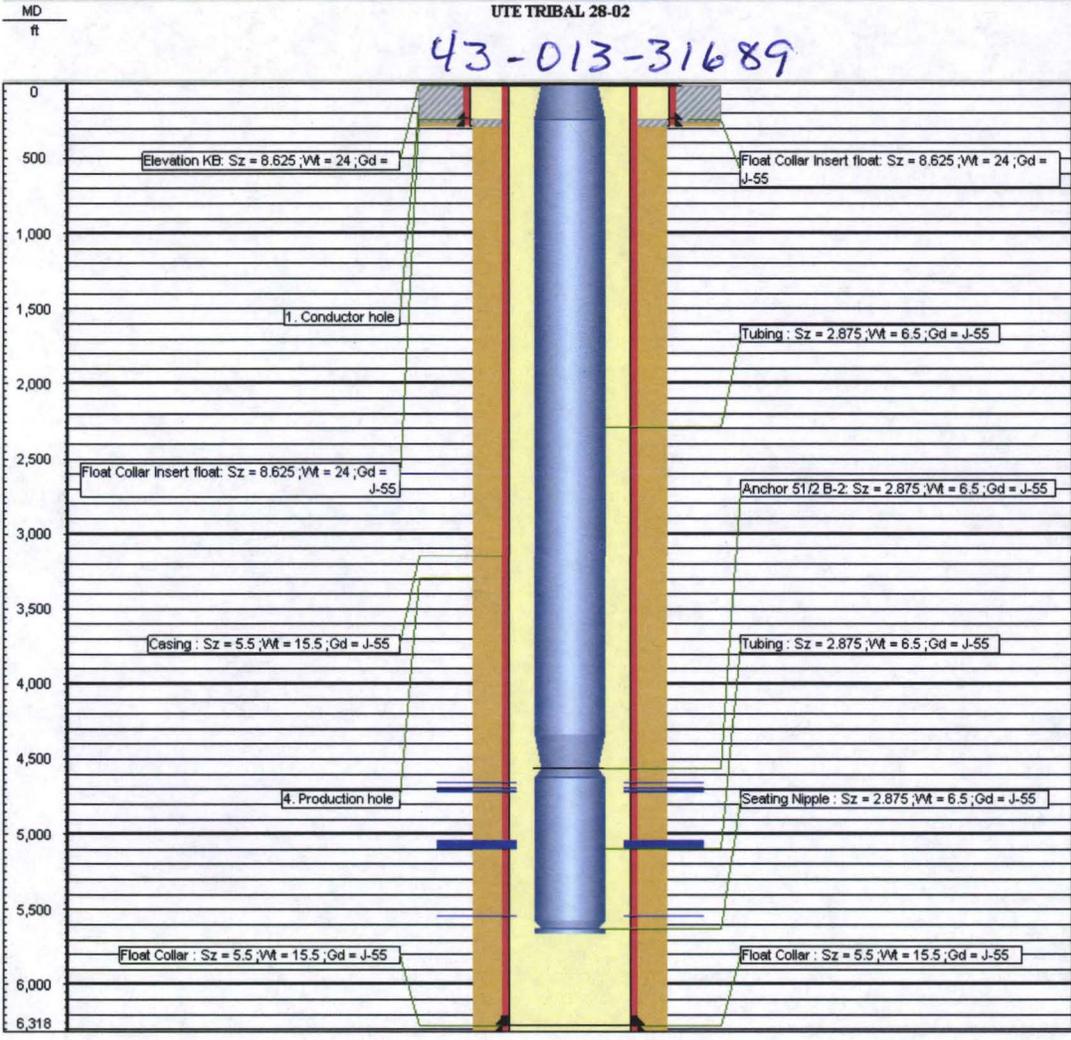


(Not to Scale)

Petroglyph Operating Co., Inc.

Ute Tribal #28-11
 (2107' FWL & 2171' FSL)
 NE SW Section 28 - 5S - 3W
 Antelope Creek Field
 Duchesne Co. Utah

API#: 43013315750000



Well Name: UTE TRIBAL 28-02 WellUserID: 1088

API code: 43013316890000 County: DUCHESNE, UT

sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude
 28 5S 3W NW NE 1857208 1453542 40.02316 -110.2256

417 Feet from E Line 595 Feet from N Line

Engineer: VICTOR HEIN Technician: MIKE HACKNEY Pumper: Route 1, Lynn/Ivan

Spud date: 8/23/1996 Compl date: 9/14/1996 KB height: 10 TD drill depth: 6312 TD log depth: 6312 TVD: 6312

Casing

Date In	Casing Type	Hole Diam	Size	Weight
8/24/1996	1. Conductor	12.25	8.625	24
8/31/1996	4. Production	7.875	5.5	15.5

Tubing

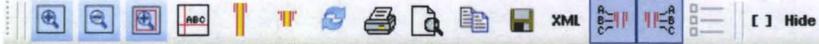
Date In	Size	Wt	Grade	Cplg OD	ID
9/14/1996	2.875	6.5	J-55	3.668	2.441
9/18/2000	2.875	6.5	J-55	3.668	2.441

Formations Perforations Sucker Rods Notes Survey Mud Weights

Formation	Ref Well	Current Well	Subsea	Eleo	Thic

Wellbore Viewer

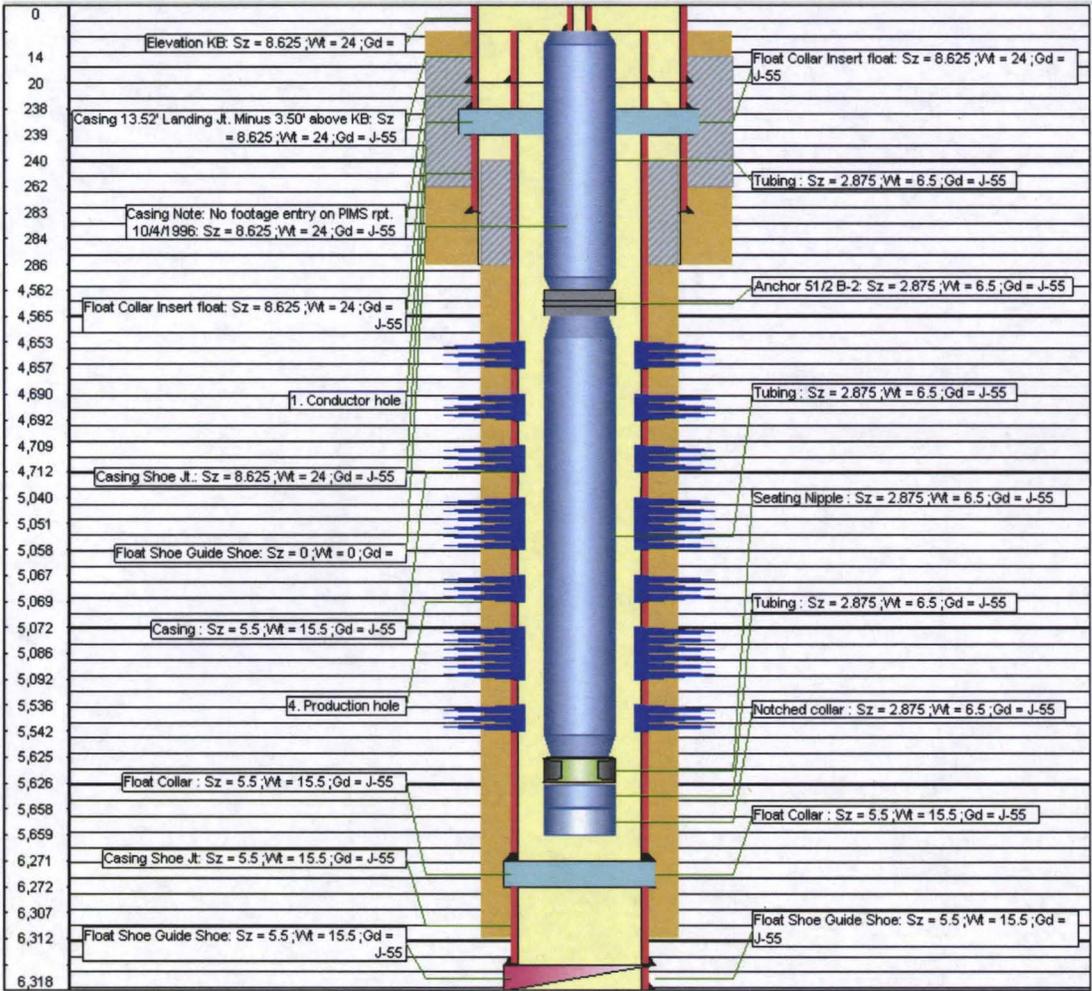
File View Settings Help



MD
ft

UTE TRIBAL 28-02

43-013-31689



Well Name WellUserID

UTE TRIBAL 28-02 1088

API code County

43013316890000 DUCHESNE, UT

sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude

28 5S 3W NW NE 1857208 1453542 40.02316 -110.2256

417 Feet from E Line 585 Feet from N Line

Engineer Technician Pumper

VICTOR HEIN MIKE HACKNEY Route 1, Lynn/Ivan

Spud date Compl date KB height TD drill depth TD log depth TVD

8/23/1996 9/14/1996 10 6312 6312 6312

Casing

Date In	Casing Type	Hole Diam	Size	Weight
8/24/1996	1. Conductor	12.25	8.625	24
8/31/1996	4. Production	7.875	5.5	15.5

Tubing

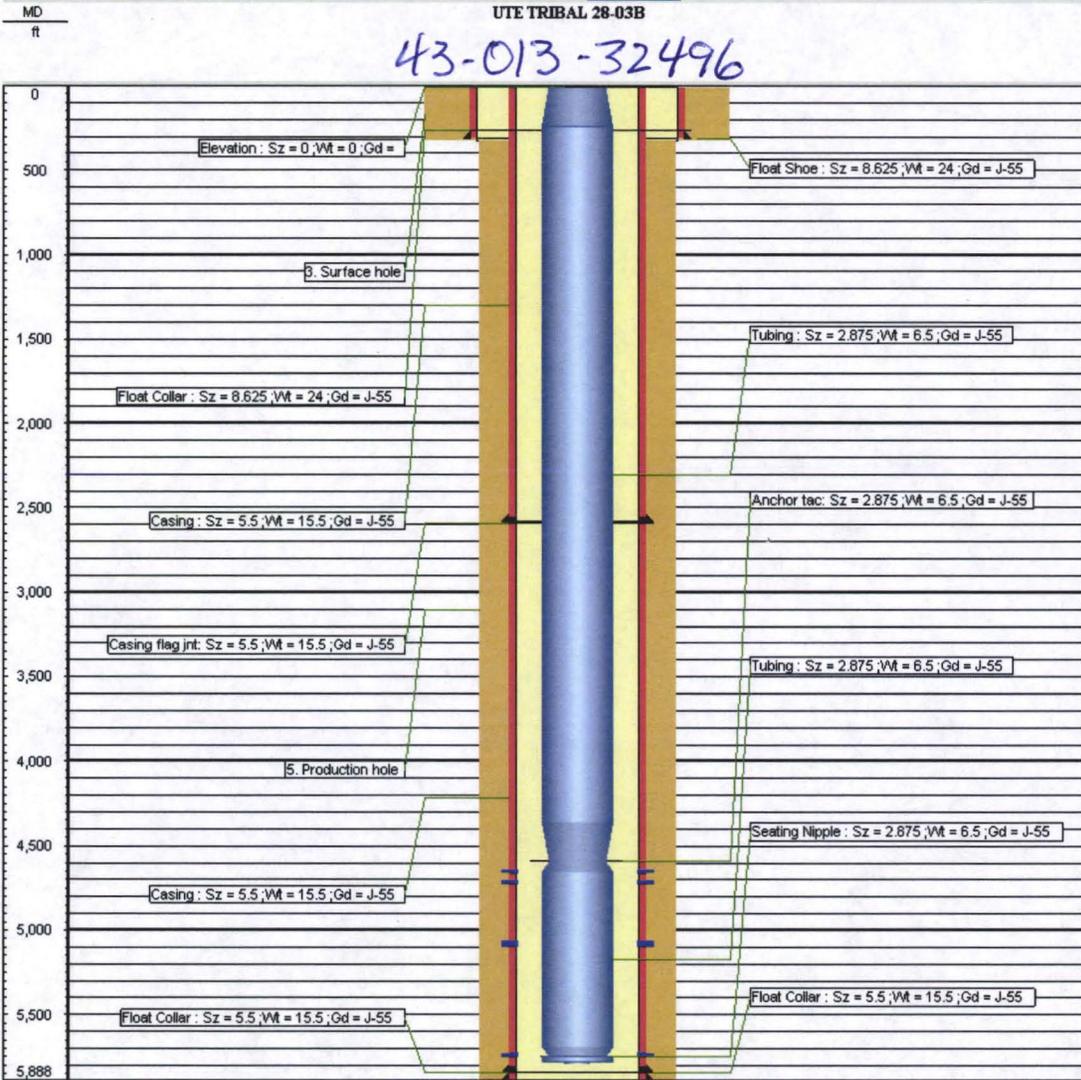
Date In	Size	Wt	Grade	Cplg DD	ID
9/14/1996	2.875	6.5	J-55	3.668	2.441
9/18/2000	2.875	6.5	J-55	3.668	2.441

Formations Perforations Sucker Rods Notes Survey Mud Weights

Formation	Ref Well	Current Well	Subsea	Eleo	Thic

Show Warnings

Adjust Labels Width



Well Name: UTE TRIBAL 28-03B WellUserID: 1519

API code: 43013324960000 County: DUCHESNE, UT

sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude
 28 55 3W NE NW 0 0 40.02142 -110.2278

2501 Feet from W Line 1217 Feet from N Line

Engineer: MATT CORSER Technician: MIKE HACKNEY Pumper: Route 1, Lynn/Ivan

Spud date: 5/20/2004 Compl date: 6/25/2004 KB height: 10 TD drill depth: 5888 TD log depth: 5888 TVD: 5888

Casing

Date In	Casing Type	Hole Diam	Size	Weight
5/21/2004	3. Surface	12.25	8.625	24
6/15/2004	5. Production	7.875	5.5	15.5

Tubing

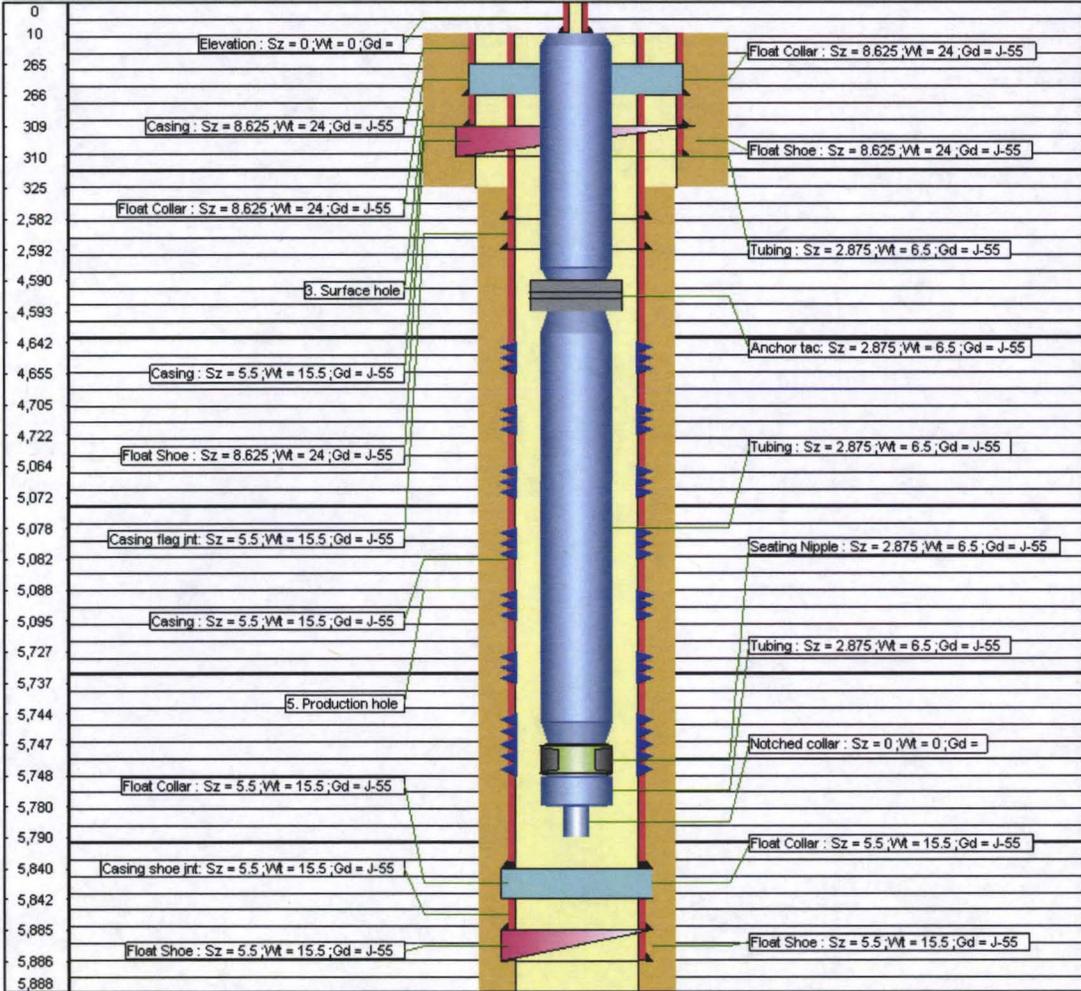
Date In	Size	Wt	Grade	Cplg OD	ID
6/24/2004	2.875	6.5	J-55	3.668	2.441
9/24/2004	2.875	6.5	J-55	3.668	2.441

Formations

Formation	Ref Well	Current Well	Subsea	Eleo	Thic

MD
ft

43-013-32496



Well Name: UTE TRIBAL 28-03B
WellUserID: 1519
API code: 43013324960000
County: DUCHESNE, UT

sect	town	range	Q1	Q2	Q3	XLoc	YLoc	Latitude	Longitude
28	5S	3W	NE	NW		0	0	40.02142	-110.2278

2501 Feet from W Line 1217 Feet from N Line

Engineer: MATT CORSER
Technician: MIKE HACKNEY
Pumper: Route 1, Lynn/Ivan

Spud date	Compl date	KB height	TD drill depth	TD log depth	TVD
5/20/2004	6/25/2004	10	5888	5888	5888

Casing

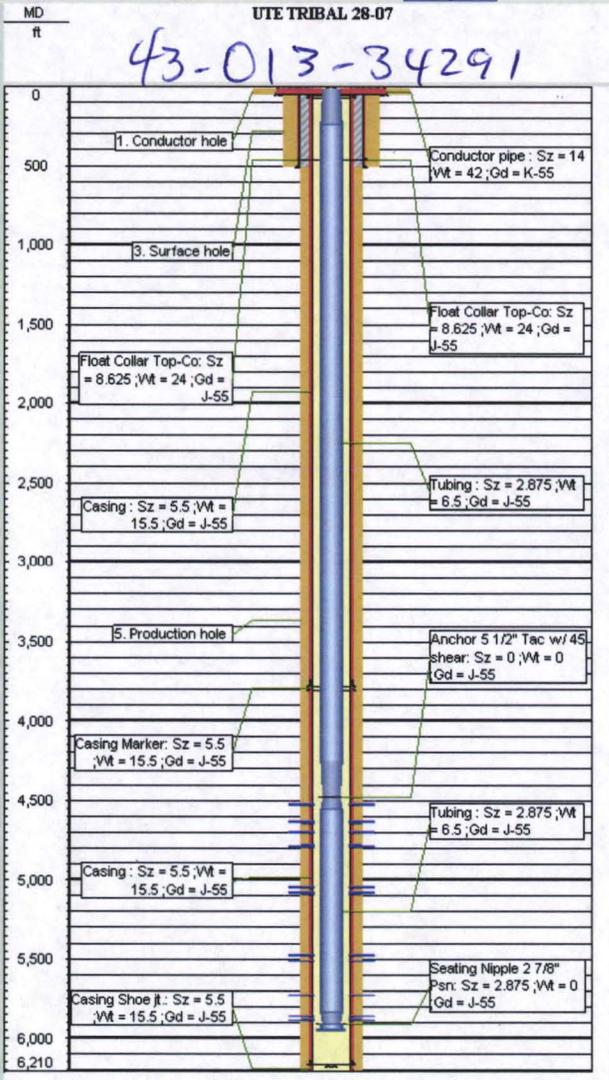
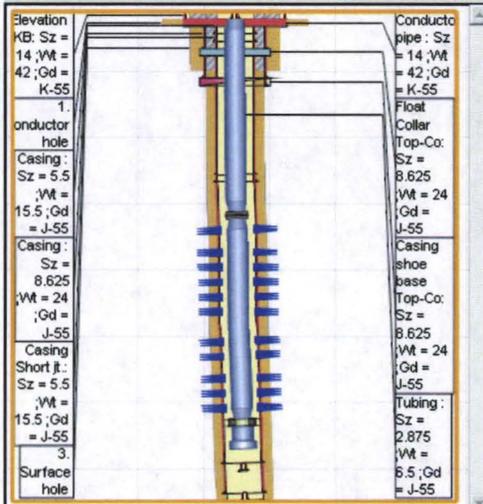
Date In	Casing Type	Hole Diam	Size	Weight
5/21/2004	3. Surface	12.25	8.625	24
6/15/2004	5. Production	7.875	5.5	15.5

Tubing

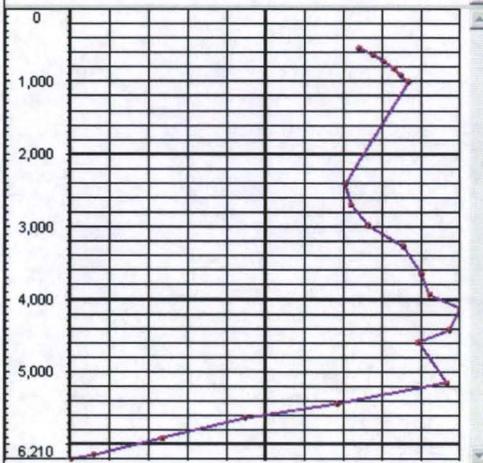
Date In	Size	Wt	Grade	Cplg OD	ID
6/24/2004	2.875	6.5	J-55	3.668	2.441
9/24/2004	2.875	6.5	J-55	3.668	2.441

Formations | Perforations | Sucker Rods | Notes | Survey | Mud Weights

Formation	Ref Well	Current Well	Subsea	Elev	Thic



-17.9491 Survey Plot 11.8369



Well Name UTE TRIBAL 28-07 WellUserID 1229

API code 43013342910000 County DUCHESNE, UT

sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude

28 5S 3W SW NE 566029 4430049 40.01996 -110.2262

576 Feet from E Line 1754 Feet from N Line

Engineer DAN LOCKWOOD Technician MIKE HACKNEY Pumper Route 1, Lynnn/ivan

Spud date 6/24/2010 Compl date 7/20/2010 KB height 14 TD drill depth 6195 TD log depth 6206 TVD 6195

Casing

Date In	Casing Type	Hole Diam	Size	Weight
6/7/2010	1. Conductor	20	14	42
6/15/2010	3. Surface	12.25	8.625	24
6/28/2010	5. Production	7.875	5.5	15.5

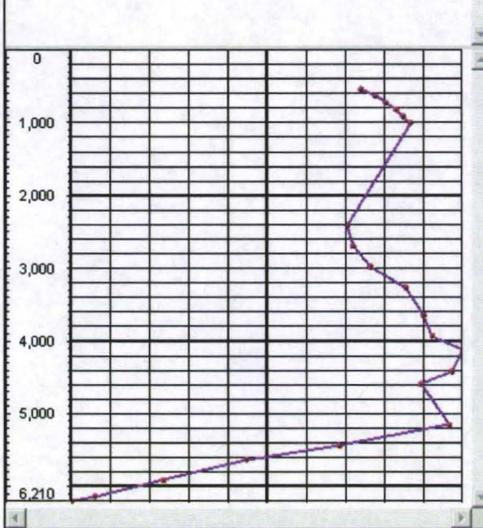
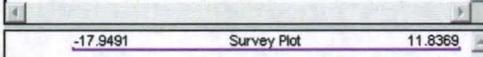
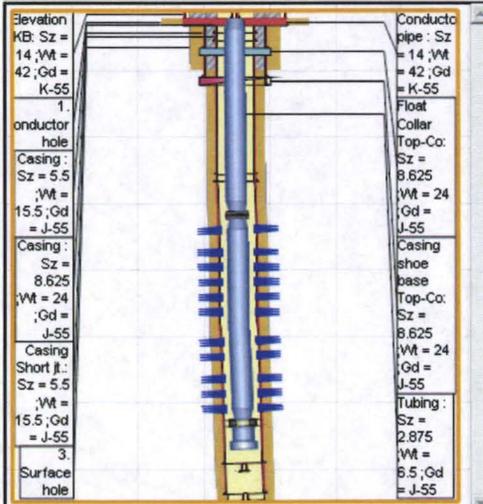
Tubing

Date In	Size	Wt	Grade	Cplg OD	ID
7/19/2010	2.875	6.5	J-55	3.668	2.441
7/26/2012	2.875	6.5	J-55	3.668	2.441

Formations Perforations Sucker Rods Notes Survey Mud Weights

Formation	Ref Well	Current Well	Subsea	Elec
Mahogany Shale	2864	0	3562	
"X" Marker	4426	0	2000	
Douglas Creek	4566	0	1860	
"B" Limestone	4939	0	1487	
B/Castle Peak Limestone	5496		930	

Show Warnings Adjust Labels Width



UTE TRIBAL 28-07
43-013-34291

MD (ft)	Component / Description	Specs
0	Elevation KB	Sz = 14, Wt = 42, Gd = K-55
54	Conductor pipe	Sz = 14, Wt = 42, Gd = K-55
56	Conductor hole	
72	1. Conductor hole	
465	Casing	Sz = 5.5, Wt = 15.5, Gd = J-55
466	Float Collar Top-Co	Sz = 8.625, Wt = 24, Gd = J-55
498	Casing shoe base	Sz = 8.625, Wt = 24, Gd = J-55
510	Casing	Sz = 8.625, Wt = 24, Gd = J-55
511	Casing Short jt.	Sz = 5.5, Wt = 15.5, Gd = J-55
512	Casing	Sz = 8.625, Wt = 24, Gd = J-55
3,782	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
3,805	Tubing	Sz = 2.875, Wt = 6.5, Gd = J-55
4,478	Casing Short jt.	Sz = 5.5, Wt = 15.5, Gd = J-55
4,481	Casing	Sz = 8.625, Wt = 24, Gd = J-55
4,522	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
4,530	Tubing	Sz = 2.875, Wt = 6.5, Gd = J-55
4,626	3. Surface hole	
4,640	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
4,692	Anchor	5 1/2" Tac w/ 45° shear, Sz = 0, Wt = 0, Gd = J-55
4,703	Float Collar Top-Co	Sz = 8.625, Wt = 24, Gd = J-55
4,778	Casing	Sz = 8.625, Wt = 24, Gd = J-55
4,796	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
5,041	Casing	Sz = 8.625, Wt = 24, Gd = J-55
5,047	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
5,072	Casing	Sz = 8.625, Wt = 24, Gd = J-55
5,088	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
5,467	Casing	Sz = 8.625, Wt = 24, Gd = J-55
5,479	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
5,508	Casing	Sz = 8.625, Wt = 24, Gd = J-55
5,510	Casing Marker	Sz = 5.5, Wt = 15.5, Gd = J-55
5,724	Casing	Sz = 8.625, Wt = 24, Gd = J-55
5,729	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
5,854	5. Production hole	
5,856	Seating Nipple	2 7/8" Psn: Sz = 2.875, Wt = 0, Gd = J-55
5,878	Tubing	Sz = 2.875, Wt = 6.5, Gd = J-55
5,883	Float Collar Float	Sz = 0, Wt = 0, Gd =
5,908	Tubing	Sz = 2.875, Wt = 6.5, Gd = J-55
5,909	Casing	Sz = 8.625, Wt = 24, Gd = J-55
5,942	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
5,952	Casing	Sz = 8.625, Wt = 24, Gd = J-55
6,166	Casing shoe base	Top-Co: Sz = 8.625, Wt = 24, Gd = J-55
6,176	Notched collar	NC w/ FO: Sz = 2.875, Wt = 6.5, Gd = J-55
6,202	Float Shoe Shoe	Sz = 0, Wt = 0, Gd =
6,210	Float Shoe Shoe	Sz = 0, Wt = 0, Gd =

Well Name: UTE TRIBAL 28-07
WellUserID: 1229
API code: 43013342910000
County: DUCHESNE, UT
sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude
28 55 3W SW NE 566029 4430049 40.01996 -110.2262

576 Feet from E Line 1754 Feet from N Line

Engineer: DAN LOCKWOOD
Technician: MIKE HACKNEY
Pumper: Route 1, Lynn/Jan

Spud date: 6/24/2010
Compl date: 7/20/2010
KB height: 14
TD drill depth: 6195
TD log depth: 6206
TVD: 6195

Date In	Casing Type	Hole Diam	Size	Weight
6/7/2010	1. Conductor	20	14	42
6/15/2010	3. Surface	12.25	8.625	24
6/28/2010	5. Production	7.875	5.5	15.5

Date In	Size	Wt	Grade	Cplg OD	ID
7/19/2010	2.875	6.5	J-55	3.668	2.441
7/26/2012	2.875	6.5	J-55	3.668	2.441

Formation	Ref Well	Current Well	Subsea	Elev
Mahogany Shale	2864	0	3562	
"X" Marker	4426	0	2000	
Douglas Creek	4566	0	1860	
"B" Limestone	4939	0	1487	
B/Castle Peak Limestone	5496		930	



Petroglyph Energy, Inc.
 960 Broadway Ave., Ste. 500
 BOISE, ID 83706
 (208) 685-7600

43-013-51529

Well Book Report

UTE TRIBAL 28-06G --1188													
API Code	43013515290000		Spud Date	4/19/2013		Production Engineer	BEAU JUDGE						
County	DUCHESNE, UT		Rig Release Date	5/28/2013		Reservoir Engineer	BEAU JUDGE						
Location	28 / 5S / 3W		First Prod. Date			Landman							
WI	1		Completion Date			Technician	JESSIE GRAHAM						
NRI	0.7975		First Sales Date			Geologist	MIKE HACKNEY						
KB/RT Height	14.5		GL Elevation	6489		Drilling Engineer	GENE ROWLAND						
Casing - 1. Conductor													
Casing Type	1. Conductor		Total Jts Run	2		DateIn	4/19/2013		Setting Depth	74		Hole Diam	26.000
Item	Description		Size	Drift ID	ID	WT	Grade	Condition	Date Inst.	#Of	Length	CumLength	
Elevation			0	0	0	0			4/19/2013	0	14	14	
Casing			16	14.936	15.124	75	J-55	New	4/19/2013	1	20	34	
Casing			16	14.936	15.124	75	J-55	New	4/19/2013	1	40	74	
Casing - 3. Surface													
Casing Type	3. Surface		Total Jts Run	12		DateIn	4/30/2013		Setting Depth	522.52		Hole Diam	12.250
Item	Description		Size	Drift ID	ID	WT	Grade	Condition	Date Inst.	#Of	Length	CumLength	
Elevation			0	0	0	0			4/30/2013	0	14	14	
Casing			8.625	7.972	8.097	24	J-55	New	4/30/2013	11	463.83	477.83	
Float Collar			8.625	7.972	8.097	24	J-55	New	4/30/2013	1	1.4	479.23	
Casing			8.625	7.972	8.097	24	J-55	New	4/30/2013	1	42.17	521.4	
Float Shoe			8.625	7.972	8.097	24	J-55	New	4/30/2013	1	1.12	522.52	
Cement													
Stage	1		Company	PRO PETRO		Stage Successful	<input checked="" type="checkbox"/>						
Type	Tail		Density	15.8		meter	385.25		Volume	0.00		Barrels	68.61
Casing - 5. Production													
Casing Type	5. Production		Total Jts Run	151		DateIn	5/27/2013		Setting Depth	6312		Hole Diam	7.875
Item	Description		Size	Drift ID	ID	WT	Grade	Condition	Date Inst.	#Of	Length	CumLength	
Elevation	RT to Top Jt/Top of Csg String		5.5	4.825	4.95	15.5	J-55	New	5/27/2013	0	14	14	
Casing			5.5	4.825	4.95	15.5	J-55	New	5/27/2013	91	3819.93	3833.93	
Casing	Marker Jt		5.5	4.825	4.95	15.5	J-55	New	5/27/2013	1	20.68	3854.61	
Casing			5.5	4.825	4.95	15.5	J-55	New	5/27/2013	18	757.33	4611.94	
Casing	Marker Jt		5.5	4.825	4.95	15.5	J-55	New	5/27/2013	1	20.62	4632.56	
Casing			5.5	4.825	4.95	15.5	J-55	New	5/27/2013	39	1635.18	6267.74	
Float Collar			5.5	4.825	4.95	15.5	J-55	New	5/27/2013	0	0.9	6268.64	
Casing	Shoe Jt		5.5	4.825	4.95	15.5	J-55	New	5/27/2013	1	42.06	6310.7	
Float Shoe			5.5	4.825	4.95	15.5	J-55	New	5/27/2013	0	1.3	6312	
Cement													
Stage	1		Company	Halliburton		Stage Successful	<input type="checkbox"/>						
Type	Spacer		Density	0.0		meter	0.00		Volume	3.00		Barrels	0.00
Type	Spacer		Density	0.0		meter	0.00		Volume	10.00		Barrels	0.00
Type	Wash		Density	0.0		meter	0.00		Volume	20.00		Barrels	0.00
Type	Spacer		Density	0.0		meter	0.00		Volume	10.00		Barrels	0.00
Type	Lead		Density	12.5		meter	1079.15		Volume	0.00		Barrels	192.20
Type	Tail		Density	13.4		meter	677.95		Volume	0.00		Barrels	120.74
Type	Displacement		Density	0.0		meter	0.00		Volume	150.00		Barrels	0.00

43-013-51529

UTE TRIBAL 28-06G --1188												
API Code	43013515290000	Spud Date	4/19/2013	Production Engineer	BEAU JUDGE							
County	DUCHESNE, UT	Rig Release Date	5/28/2013	Reservoir Engineer	BEAU JUDGE							
Location	28 / 5S / 3W	First Prod. Date		Landman								
WI	1	Completion Date		Technician	JESSIE GRAHAM							
NRI	0.7975	First Sales Date		Geologist	MIKE HACKNEY							
KB/RT Height	14.5	GL Elevation	6489	Drilling Engineer	GENE ROWLAND							
Tubing												
Date In	DateOut	Tested	TestingCom.	TestingPress.	Inspected	InspectionCom.	On Site	Coated				
7/3/2013		No		0	No		No	No				
No. Of Bad Joints	0	Bad Joint Depths			Depth Of Bad Intervals							
Item	Description		Size	ID	WT	Grade	Condition	#Of	Length	CumLength		
Elevation			0	0	0			0	14	14		
Tubing			2.875	2.441	6.5	J-55	A - New	148	4866.58	4880.58		
Anchor	5.5" w/ 45 sheer			2.441			A - New	1	2.8	4883.38		
Tubing			2.875	2.441	6.5	J-55	A - New	25	824.37	5707.75		
Seating Nipple	2 7/8 w/ 2.28 ID		2.875	2.441	6.5	J-55	A - New	1	1.1	5708.85		
Tubing			2.875	2.441	6.5	J-55	A - New	1	32.98	5741.83		
Notched collar	2 7/8 w/ f.open		2.875	2.441	6.5	J-55	A - New	1	0.45	5742.28		
Sucker Rod												
Rod Date In	7/11/2013	Remarks										
Seq	Type	Size	Grade	Length	No.	Depth	Condition	Date Inst.	Box Type	Box Size	Guides	
10	Polish Rod	1-1/2	Polish Rod	22	1	22	A - New	7/11/2013	T	Regular	No	
20	Steel	7/8	Norris 54	2	1	24	A - New	7/11/2013	T	Regular	No	
30	Steel	7/8	Norris 54	4	1	28	A - New	7/11/2013	T	Regular	No	
40	Steel	7/8	Norris 54	25	37	953	A - New	7/11/2013	T	Regular	Yes	
50	Steel	7/8	Norris 54	25	37	1878	A - New	7/11/2013	T	Regular	No	
60	Steel	3/4	Norris 54	25	67	3553	A - New	7/11/2013	T	Regular	Yes	
70	Steel	3/4	Norris 54	25	67	5228	A - New	7/11/2013	T	Regular	No	
80	Steel	7/8	Norris 54	25	20	5728	A - New	7/11/2013	T	Regular	Yes	
API Pump Designation		2.5 x 1.75 x 16 RHAC GRVD		Manufacturer		National / Oil Well		Pump Intake Depth		5708.85		
Log												
Log Date	Log Type	Copies	Log Company	From	To	Other Services	Remarks					
05/26/2013	Mud Log	1	Laughlin Enterprises Inc.	1300	6322							
05/27/2013	Array Compensated True Resistivity	1	Halliburton	522	6320		Depth Driller: 6322' Depth Logger: 6323' Bottom - Logged Interval: 6320' Top - Logged Interval: 522'					
05/27/2013	Borehole Volume	1	Halliburton	522	6300		Depth Driller: 6322' Depth Logger: 6323' Bottom - Logged Interval: 6300' Top - Logged Interval: 522'					
05/27/2013	Spectral Density Dual Spaced Neutron	1	Halliburton	522	6300		Depth Driller: 6322' Depth Logger: 6323' Bottom - Logged Interval: 6300' Top - Logged Interval: 522'					
06/17/2013	Cement Bond Gamma Ray CCL Log	1	Casedhole Solutions	26	6224		Depth Driller: 6322' Depth Logger: 6234' Bottom Logged Interval: 6224' Top Log Interval: 26'					

43-013-51529

UTE TRIBAL 28-06G --1188								
API Code	43013515290000	Spud Date	4/19/2013	Production Engineer	BEAU JUDGE			
County	DUCHESNE, UT	Rig Release Date	5/28/2013	Reservoir Engineer	BEAU JUDGE			
Location	28 / 5S / 3W	First Prod. Date		Landman				
WI	1	Completion Date		Technician	JESSIE GRAHAM			
NRI	0.7975	First Sales Date		Geologist	MIKE HACKNEY			
KB/RT Height	14.5	GL Elevation	6489	Drilling Engineer	GENE ROWLAND			
Perforation								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
4972 - 4974	C6	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
4980 - 4982	C6	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
4985 - 4987	C6	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5090 - 5098	C9.1	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5103 - 5105	C9.1	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5115 - 5116	C9.2	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5250 - 5259	D3	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5263 - 5267	D3	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5518 - 5524	D8	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5576 - 5578	D9	Casing	3 1/8"	6/21/2013	4	120	Open	6/21/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5675 - 5682	E1.1	Casing	3 1/8"	6/17/2013	4	120	Open	6/17/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5689 - 5691	E1.1	Casing	3 1/8"	6/17/2013	4	120	Open	6/17/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5713 - 5715	E2	Casing	3 1/8"	6/17/2013	4	120	Open	6/17/2013
Remarks:								
Perforation:	Formation	Perf.Guns	Gun Size	Date	Shots/Foot	Phasing	Perf Status	StatusDate
5719 - 5721	E2	Casing	3 1/8"	6/17/2013	4	120	Open	6/17/2013
Remarks:								
Summary								
Job Start Date	4/19/2013	Work Type	Drilling	Total Cost	\$36,469.00	Company Supervisor	Les Farnsworth	
Job Start Date	5/20/2013	Work Type	Drilling	Total Cost	\$450,475.10	Company Supervisor	GENE ROWLAND	
Drill & complete directional well.								
Job Start Date	5/23/2013	Work Type	Construction	Total Cost	\$40,130.00	Company Supervisor	shane shiner	
Job Start Date	6/17/2013	Work Type	Completion	Total Cost	\$299,200.00	Company Supervisor	Leon & Alex	

43-013-51529

UTE TRIBAL 28-06G --1188					
API Code	43013515290000	Spud Date	4/19/2013	Production Engineer	BEAU JUDGE
County	DUCHESNE, UT	Rig Release Date	5/28/2013	Reservoir Engineer	BEAU JUDGE
Location	28 / 5S / 3W	First Prod. Date		Landman	
WI	1	Completion Date		Technician	JESSIE GRAHAM
NRI	0.7975	First Sales Date		Geologist	MIKE HACKNEY
KB/RT Height	14.5	GL Elevation	6489	Drilling Engineer	GENE ROWLAND
Formation					
FormationName	Thickness	CurrentWellTop	Lithology	GeologicComments	
Base Mod	0	1404			
TRONA	0	2773			
A8 - Mahogany Shale	0	2909			
"B" Marker	0	3999			
"X" Marker	0	4472			
DCBM - Douglas Creek	0	4615			
B LM - "B" Limestone	0	4986			
BCPLS - B/Castlepeak Limestone	0	5540			
SCARB - Basal Carbonate Limestone	0	5969			

Elevation RT to Top of U/Top of Csg String: Sz = 5.5, Wt = 15.5, Gd = J-55

Casing: Sz = 14, Wt = 42, Gd = K-55

1. Conductor hole

Casing: Sz = 8.625, Wt = 24, Gd = J-55

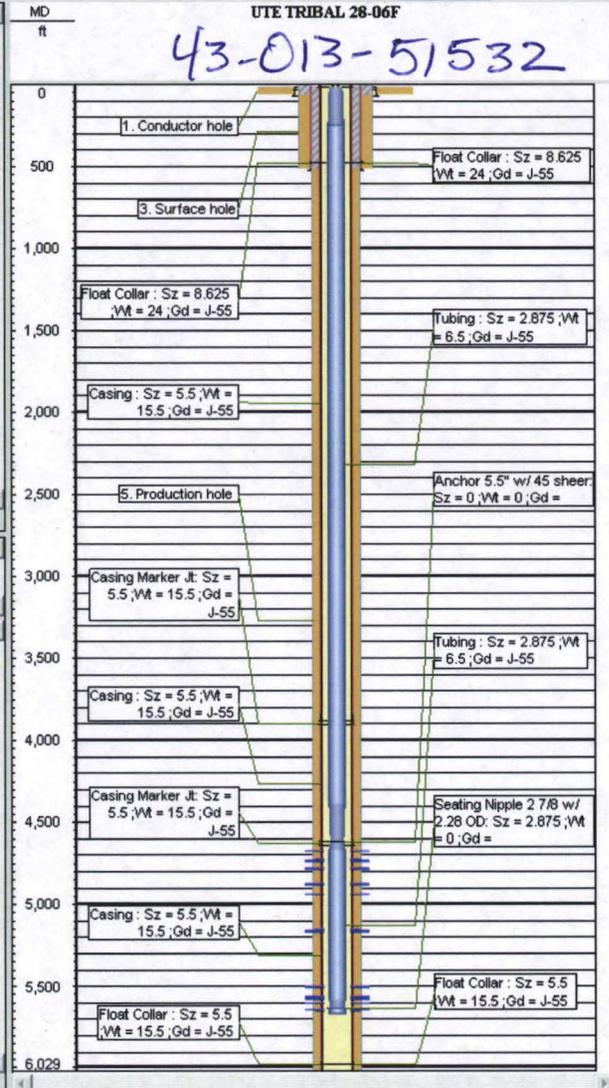
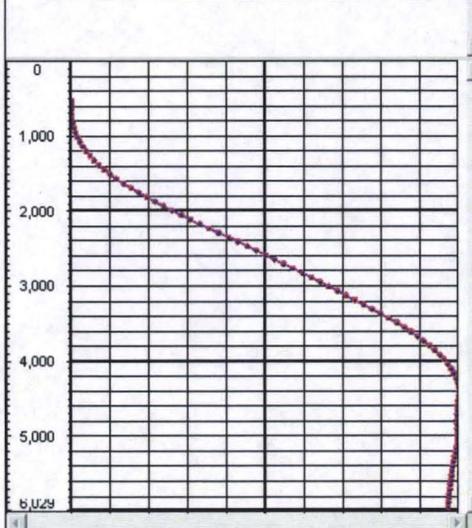
Anchor 5.5" w/ 45 shear: Sz = 0, Wt = 0, Gd =

Float Collar: Sz = 8.625, Wt = 24, Gd = J-55

Shoe: Sz = 8.625, Wt = 24, Gd = J-55

Tubing: Sz = 2.875, Wt = 6.5, Gd = J-55

-4.1794 Survey Plot 695.432



Well Name: UTE TRIBAL 28-06F

WellUserID: 1626

API code: 43013515320000

County: DUCHESNE, UT

sect	town	range	Q1	Q2	Q3	XLoc	YLoc	Latitude	Longitude
28	55	3W	SE	NW		0	0	40.01003	-110.1351

1906 Feet from W Line 1938 Feet from N Line

Engineer: GENE ROWLAND

Technician: JESSIE GRAHAM

Pumper: Route 1, Lynn/Ivan

Spud date	Compl date	KB height	TD drill depth	TD log depth	TVD
4/23/2013	7/2/2013	14.5	6038	0	5958

Casing

Date In	Casing Type	Hole Diam	Size	Weight
4/23/2013	1. Conductor	26	16	75
4/30/2013	3. Surface	12.25	8.625	24
5/20/2013	5. Production	7.875	5.5	15.5

Tubing

Date In	Size	Wt	Grade	Cplg OD	ID
7/1/2013	2.875	6.5	J-55	3.668	2.441
8/16/2013	2.875	6.5	J-55	3.668	2.441

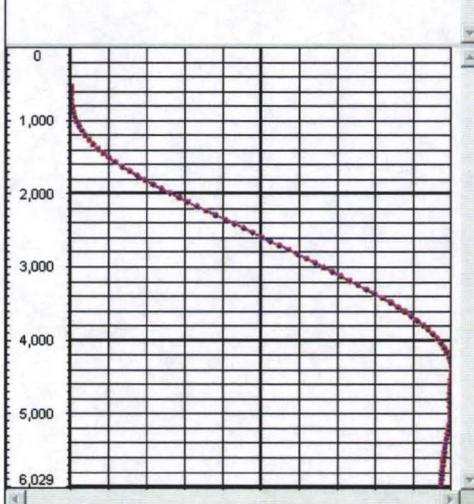
Formations	Perforations	Sucker Rods	Notes	Survey	Mud Weights
Formation	Ref Well	Current Well	Subsea	Elk	
Base Mod	1409	1404	5100		
TRONA	2765	2718	3786		
A8 - Mahogany Shale	2959	2906	3598		
"B" Marker	4063	6990	2514		
"X" Marker	4543	4469	2035		



Elevation
RT to Top of J/Top of Csg String: Sz = 5.5, Wt = 15.5, Gd = J-55
Casing: Sz = 14, Wt = 42, Gd = K-55
Tubing: Sz = 2.875, Wt = 6.5, Gd = J-55
1. Conductor hole
Casing: Sz = 8.625, Wt = 24, Gd = J-55
Anchor 5.5" w/ 45 shear: Sz = 0, Wt = 0, Gd =

Float Collar: Sz = 8.625, Wt = 24, Gd = J-55
Float Shoe: Sz = 8.625, Wt = 24, Gd = J-55

-4.1794 Survey Plot 695.432



UTE TRIBAL 28-06F
43-013-51532

MD ft

0	Elevation RT to Top of J/Top of Csg String: Sz = 5.5, Wt = 15.5, Gd = J-55	Float Collar: Sz = 8.625, Wt = 24, Gd = J-55
15		
34		
60		
74		
478	Casing: Sz = 14, Wt = 42, Gd = K-55	Tubing: Sz = 2.875, Wt = 6.5, Gd = J-55
479		
509	1. Conductor hole	
515		
522		
523	Casing: Sz = 8.625, Wt = 24, Gd = J-55	Float Shoe: Sz = 8.625, Wt = 24, Gd = J-55
3,882		
3,903		
4,616	Casing: Sz = 14, Wt = 42, Gd = K-55	
4,617		
4,619	3. Surface hole	Anchor 5.5" w/ 45 shear: Sz = 0, Wt = 0, Gd =
4,638		
4,672		
4,674	Casing: Sz = 8.625, Wt = 24, Gd = J-55	Tubing: Sz = 2.875, Wt = 6.5, Gd = J-55
4,723		
4,740		
4,778	Float Shoe: Sz = 8.625, Wt = 24, Gd = J-55	
4,787		
4,873		
4,879	Casing Marker Jt: Sz = 5.5, Wt = 15.5, Gd = J-55	Seating Nipple 2.7/8 w/ 2.28 OD: Sz = 2.875, Wt = 0, Gd =
4,933		
4,935		
5,153	Casing: Sz = 5.5, Wt = 15.5, Gd = J-55	Tubing: Sz = 2.875, Wt = 6.5, Gd = J-55
5,189		
5,496		
5,506		
5,566	Casing Marker Jt: Sz = 5.5, Wt = 15.5, Gd = J-55	
5,568		
5,571		
5,575	5. Production hole	Notched collar 2.7/8 w/ 1.0 open: Sz = 2.875, Wt = 0, Gd =
5,601		
5,605		
5,633	Casing: Sz = 5.5, Wt = 15.5, Gd = J-55	
5,635		
5,638	Float Collar: Sz = 5.5, Wt = 15.5, Gd = J-55	Float Collar: Sz = 5.5, Wt = 15.5, Gd = J-55
5,646		
5,667		
5,668		
5,688	Casing Shoe Jt: Sz = 5.5, Wt = 15.5, Gd = J-55	
5,984		
5,985		
6,027	Float Shoe: Sz = 5.5, Wt = 15.5, Gd = J-55	Float Shoe: Sz = 5.5, Wt = 15.5, Gd = J-55
6,029		

Well Name: UTE TRIBAL 28-06F WellUserID: 1626
API code: 43013515320000 County: DUCHESNE, UT
sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude: 28 5S 3W SE NW 0 0 40 01003 -110 1351
1806 Feet from W Line 1938 Feet from N Line

Engineer: GENE ROWLAND Technician: JESSIE GRAHAM Pumper: Route 1, Lynn/Ivan
Spud date: 4/23/2013 Compl date: 7/2/2013 KB height: 14.5 TD drill depth: 6038 TD log depth: 0 TVD: 5958

Casing

Date In	Casing Type	Hole Diam	Size	Weight
4/23/2013	1. Conductor	26	16	75
4/30/2013	3. Surface	12.25	8.625	24
5/20/2013	5. Production	7.875	5.5	15.5

Tubing

Date In	Size	Wt	Grade	Cplg OD	ID
7/1/2013	2.875	6.5	J-55	3.668	2.441
8/16/2013	2.875	6.5	J-55	3.668	2.441

Formations

Formation	Ref Well	Current Well	Subsea	Elev
Base Mod	1409	1404	5100	
TRONA	2765	2718	3786	
A8 - Mahogany Shale	2959	2906	3598	
"B" Marker	4063	6990	2514	
"X" Marker	4543	4469	2035	

43-013-52411

Well Name: GMBU G-22-9-15

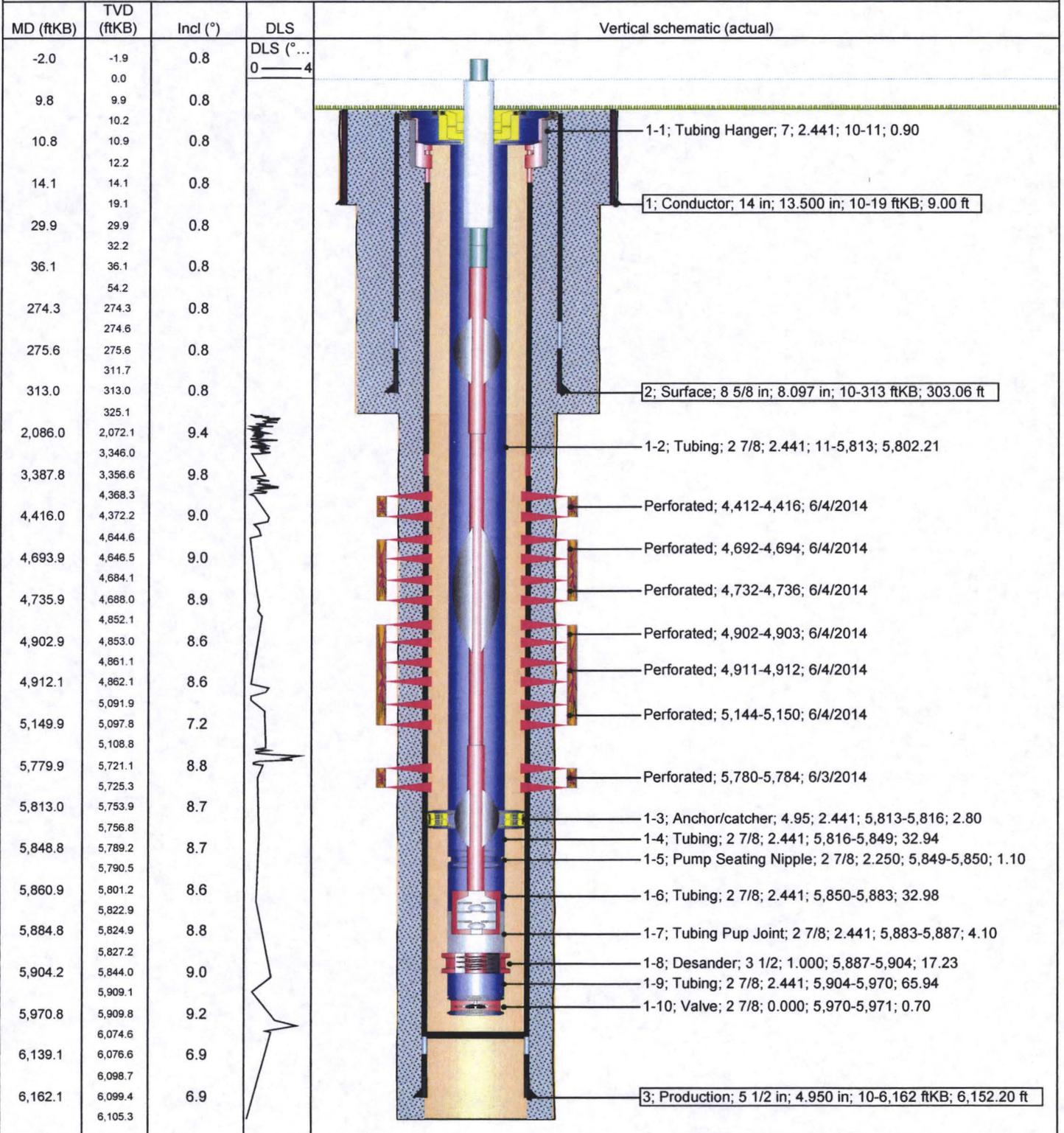
Surface Legal Location SENW 1909' FNL 1135' FWL Sec 22 T9S R15E			API/UWI 43013524110000	Well RC 500343251	Lease UTU68548	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 5/7/2014	Rig Release Date 5/19/2014	On Production Date	Original KB Elevation (ft) 6,437	Ground Elevation (ft) 6,427	Total Depth All (TVD) (ftKB) Original Hole - 6,105.3	PBSD (All) (ftKB) Original Hole - 6,137.2		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 6/3/2014	Job End Date 6/11/2014
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TD: 6,168.0

Slant - Original Hole, 7/29/2014 9:18:36 AM





Schematic

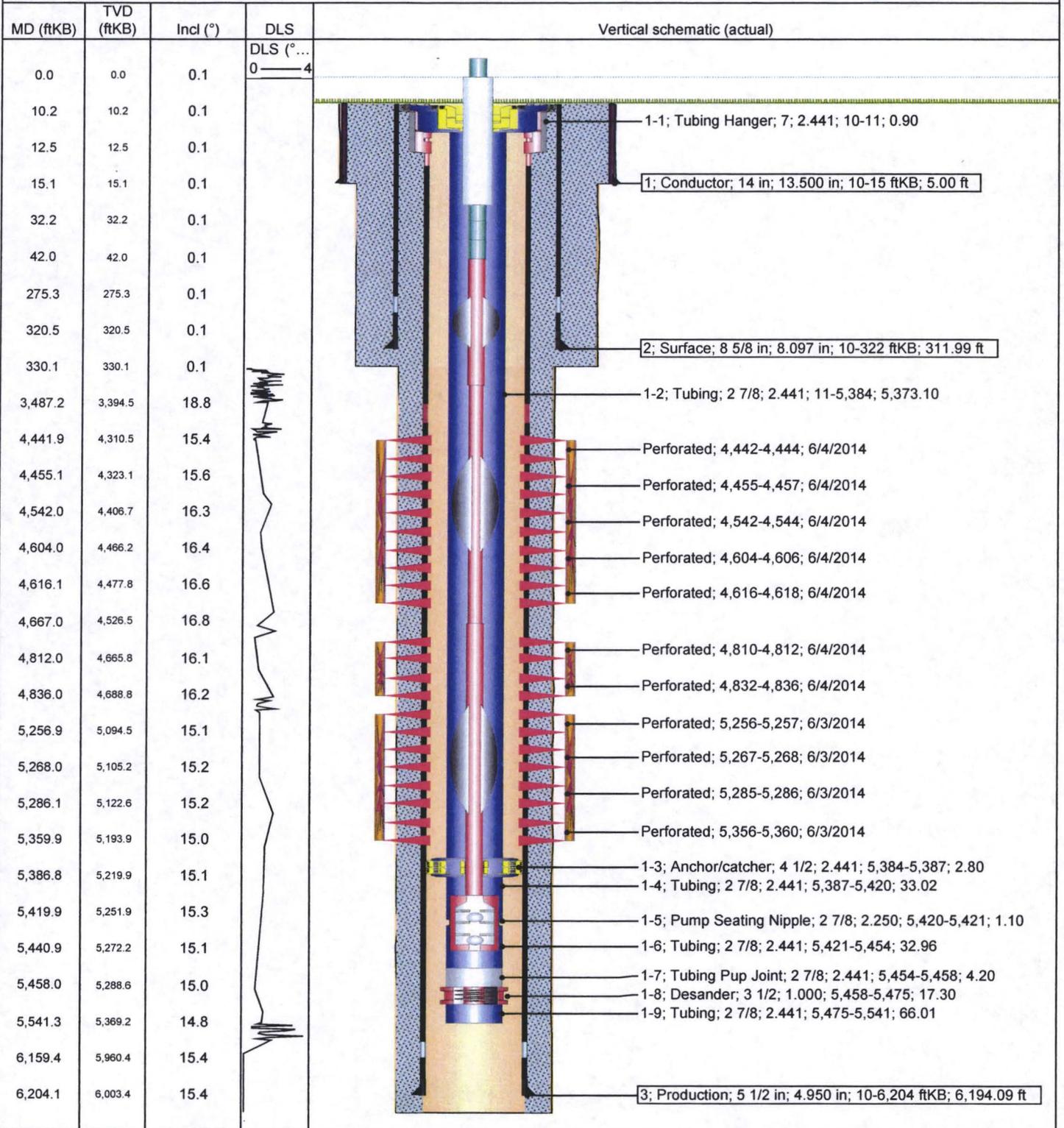
43-013-52413

Well Name: GMBU H-22-9-15

Surface Legal Location SEW 1926' FNL 1148' FWL Sec 22 T9S R15E		API/UWI 43013524130000	Well RC 500348487	Lease UTU68548	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 5/6/2014	Rig Release Date 5/17/2014	On Production Date 6/11/2014	Original KB Elevation (ft) 6,437	Ground Elevation (ft) 6,427	Total Depth All (TVD) (ftKB) Original Hole - 6,010.1	PBTD (All) (ftKB) Original Hole - 6,157.6	

Most Recent Job		Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 6/3/2014	Job End Date 6/10/2014
Job Category Initial Completion					

TD: 6,211.0 Slant - Original Hole, 7/29/2014 9:19:37 AM



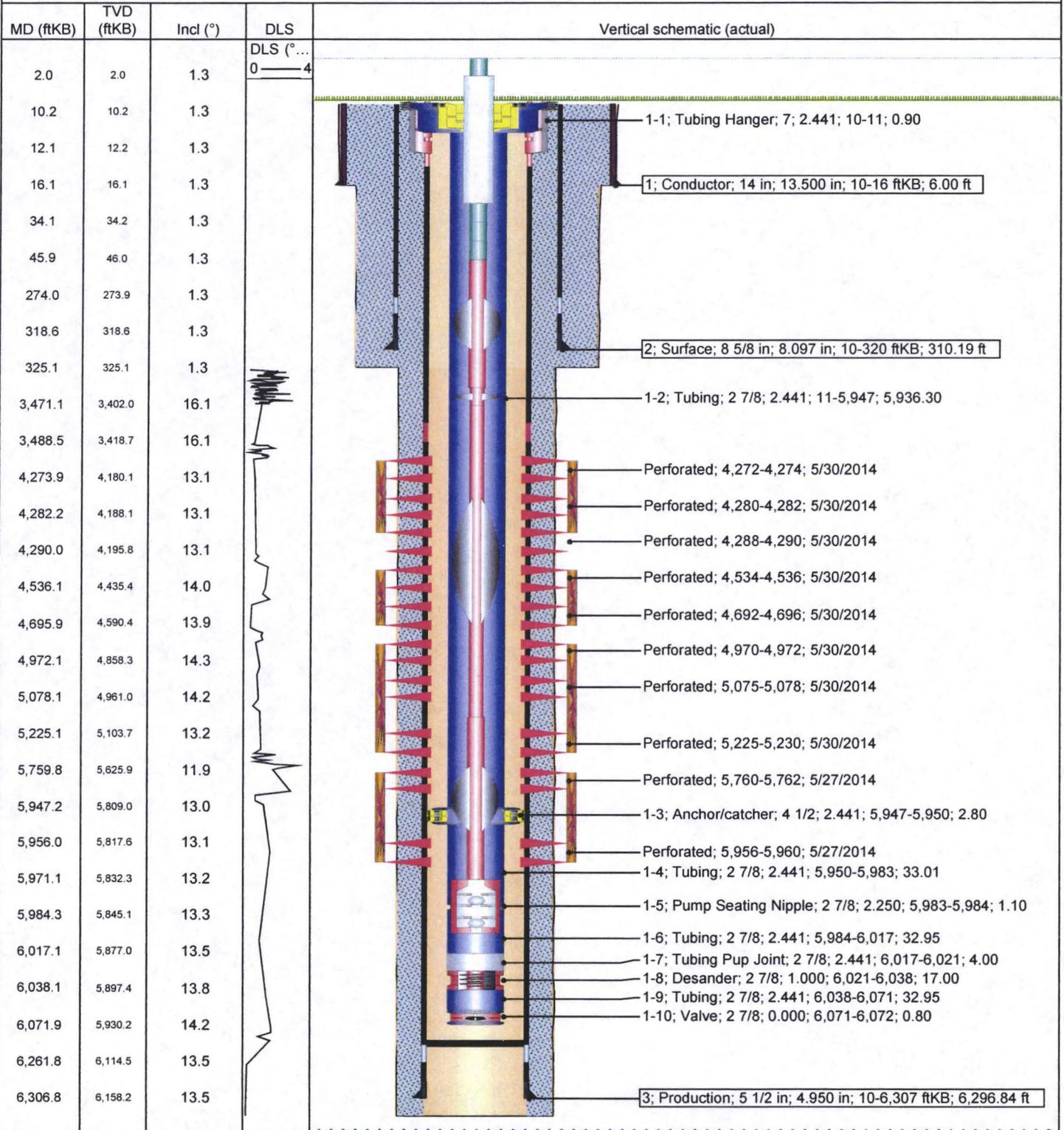
Well Name: **GMBU I-22-9-15**

43-013-52414

Surface Legal Location SWNE 1982' FNL 1880' FEL Sec 22 T9S R15E		API/UWI 43013524140000	Well RC 500348489	Lease UTU68548	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 5/1/2014	Rig Release Date 5/14/2014	On Production Date	Original KB Elevation (ft) 6,467	Ground Elevation (ft) 6,457	Total Depth All (TVD) (ftKB) Original Hole - 6,171.1	PBDT (All) (ftKB) Original Hole - 6,260.2	

Most Recent Job		Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 5/27/2014	Job End Date 6/6/2014
Job Category Initial Completion					

TD: 6,320.0 Slant - Original Hole, 7/29/2014 9:20:22 AM



Well Name: GMBU M-22-9-15

43-013-52422

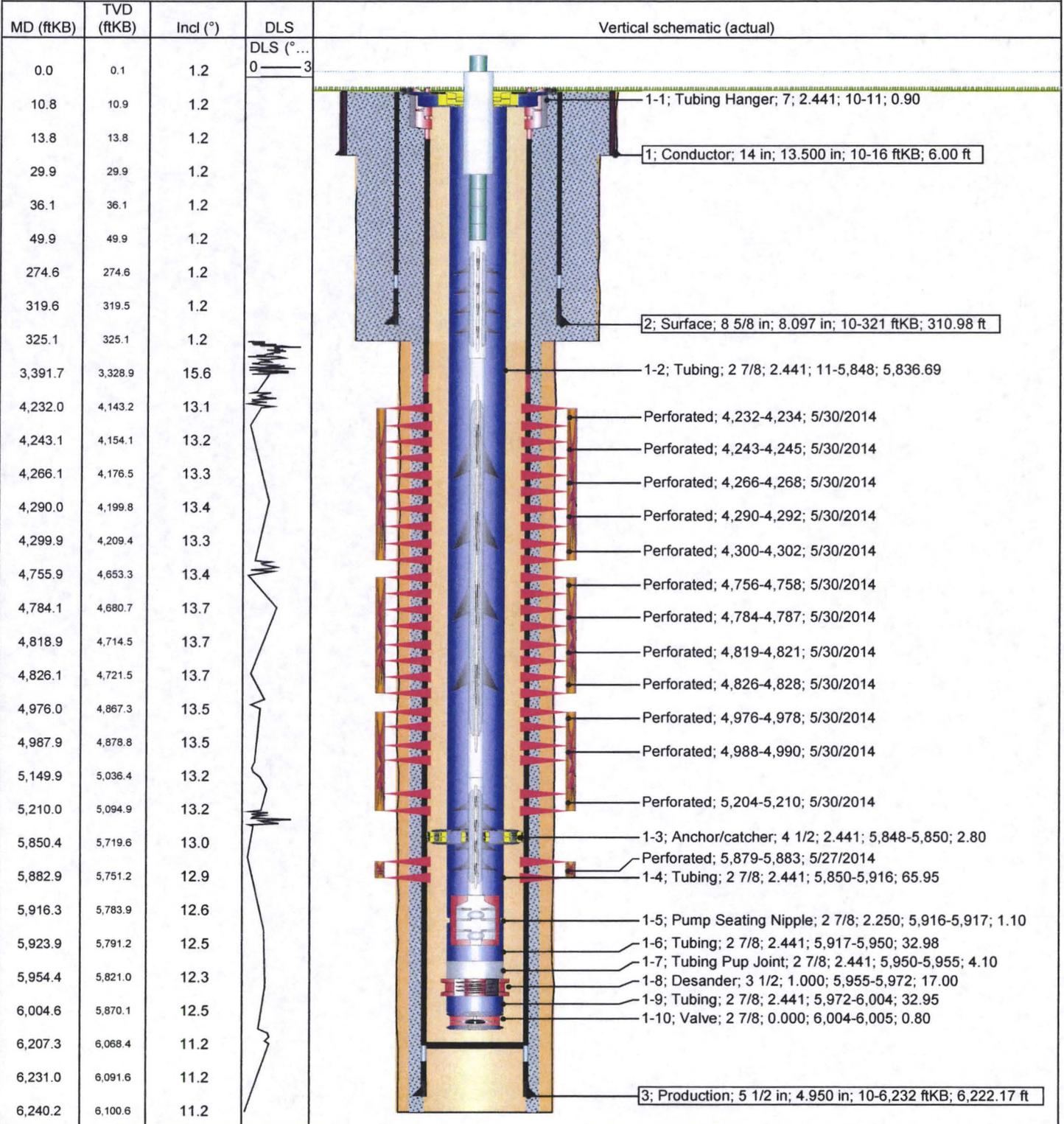
Surface Legal Location SWNE 2002' FNL 1873' FEL Sec 22 T9S R15E				API/UWI 43013524220000	Well RC 500348491	Lease UTU68548	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 4/30/2014	Rig Release Date 5/11/2014	On Production Date 6/4/2014	Original KB Elevation (ft) 6,467	Ground Elevation (ft) 6,457	Total Depth All (TVD) (ftKB) Original Hole - 6,100.5		PBD (All) (ftKB) Original Hole - 6,207.2		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 5/28/2014	Job End Date 6/4/2014
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TD: 6,240.0

Slant - Original Hole, 7/29/2014 9:21:08 AM



43-013-52502

Well Name: GMBU L-22-9-15

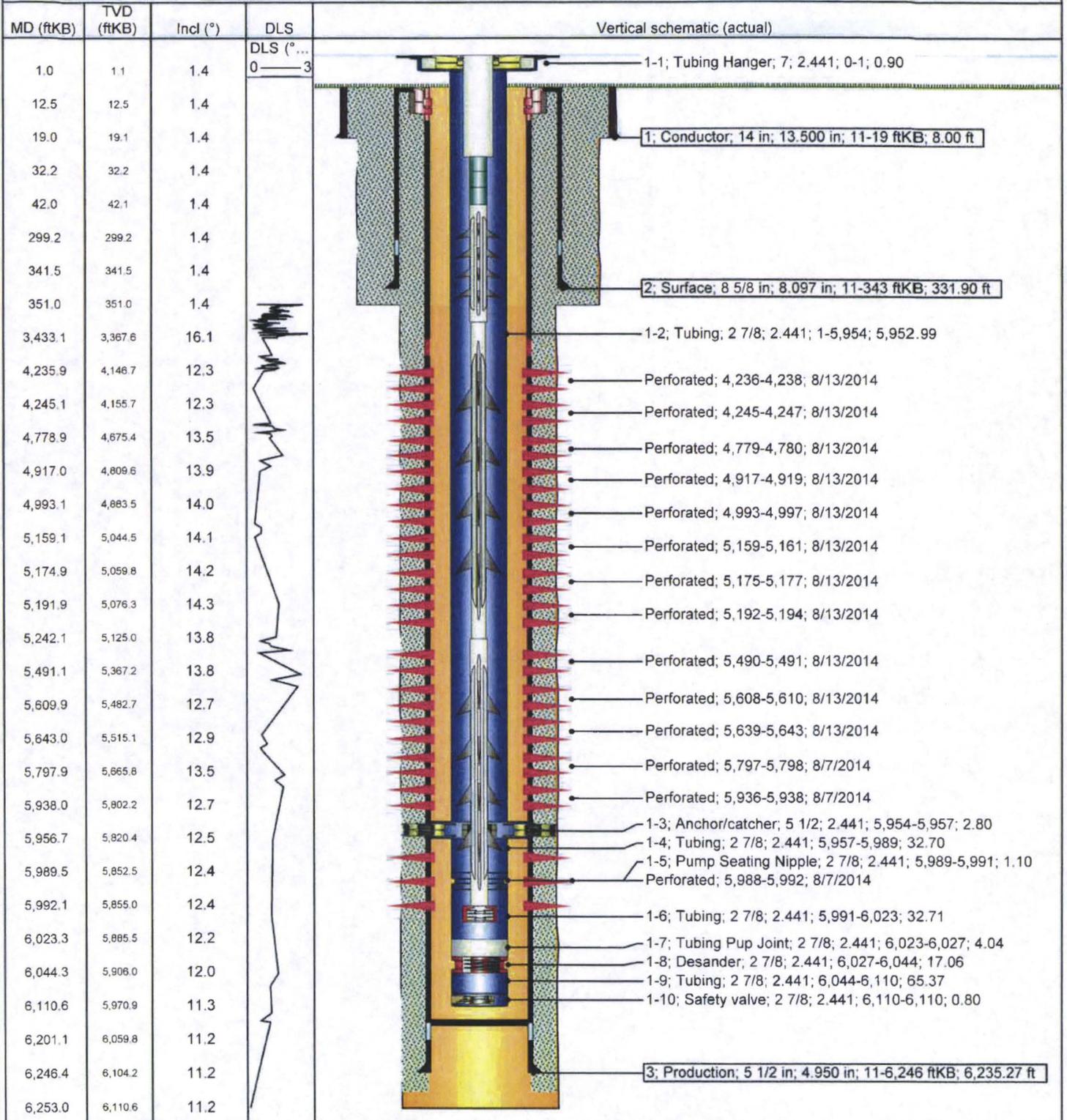
Surface Legal Location SENE 1851 FNL 734 FEL Sec 22 T9S R15E		API/UWI 43013525020000	Well RC 500348493	Lease UTU68548	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 7/8/2014	Rig Release Date 7/26/2014	On Production Date	Original KB Elevation (ft) 6,460	Ground Elevation (ft) 6,449	Total Depth All (TVD) (ftKB) Original Hole - 6,110.7	PBTD (All) (ftKB) Original Hole - 6,199.4	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 8/7/2014	Job End Date 8/19/2014
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TD: 6,253.0

Slant - Original Hole, 9/10/2014 8:24:50 AM



Multi-Chem Analytical Laboratory

1553 East Highway 40
Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **ASHLEY 6-22-9-15**
Sample Point:
Sample Date: **9/3/2013**
Sample ID: **WA-252692**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	9/10/2013	<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
System Temperature 1 (°F):	120	Sodium (Na):	2644.00	Chloride (Cl):	4000.00
System Pressure 1 (psig):	60	Potassium (K):	30.00	Sulfate (SO4):	8.00
System Temperature 2 (°F):	210	Magnesium (Mg):	4.80	Bicarbonate (HCO3):	1098.00
System Pressure 2 (psig):	60	Calcium (Ca):	10.30	Carbonate (CO3):	
Calculated Density (g/ml):	1.002	Strontium (Sr):	1.60	Acetic Acid (CH3COO)	
pH:	7.70	Barium (Ba):	2.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	7807.24	Iron (Fe):	5.00	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	5.00	Manganese (Mn):	0.10	Silica (SiO2):	3.42

Notes:

B=4 Al=0 Li=.7

(PTB = Pounds per Thousand Barrels)

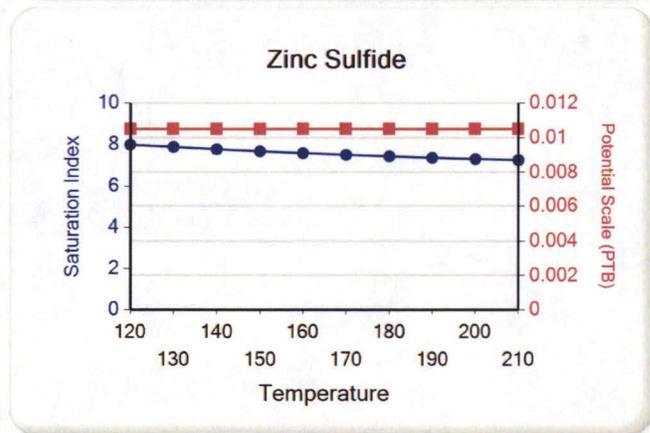
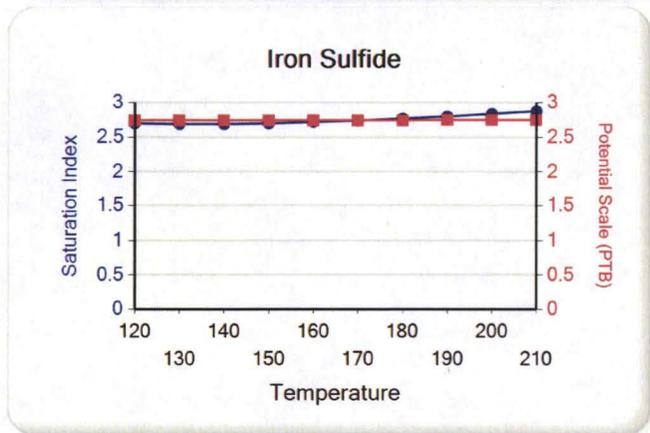
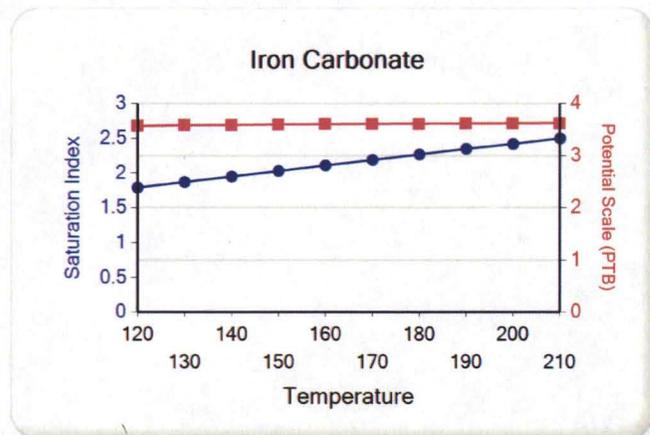
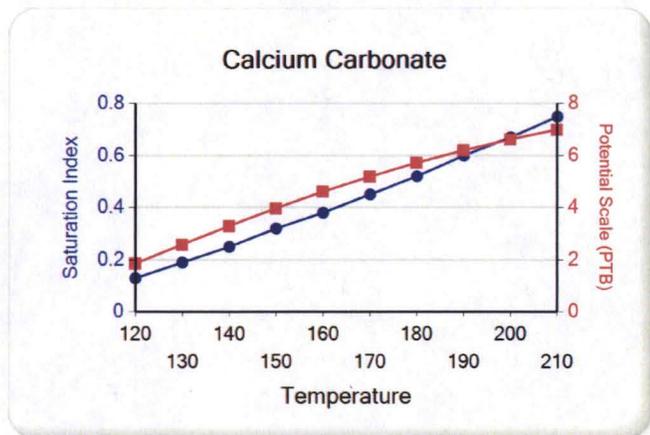
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.75	6.99	0.00	0.00	2.88	2.75	2.50	3.62	0.00	0.00	0.00	0.00	0.00	0.00	7.26	0.01
200.00	60.00	0.67	6.62	0.00	0.00	2.84	2.75	2.42	3.62	0.00	0.00	0.00	0.00	0.00	0.00	7.31	0.01
190.00	60.00	0.60	6.19	0.00	0.00	2.80	2.75	2.35	3.62	0.00	0.00	0.00	0.00	0.00	0.00	7.37	0.01
180.00	60.00	0.52	5.71	0.00	0.00	2.77	2.74	2.27	3.61	0.00	0.00	0.00	0.00	0.00	0.00	7.44	0.01
170.00	60.00	0.45	5.18	0.00	0.00	2.74	2.74	2.19	3.61	0.00	0.00	0.00	0.00	0.00	0.00	7.51	0.01
160.00	60.00	0.38	4.60	0.00	0.00	2.72	2.74	2.11	3.60	0.00	0.00	0.00	0.00	0.00	0.00	7.59	0.01
150.00	60.00	0.32	3.96	0.00	0.00	2.70	2.74	2.03	3.60	0.00	0.00	0.00	0.00	0.00	0.00	7.68	0.01
140.00	60.00	0.25	3.29	0.00	0.00	2.69	2.74	1.95	3.59	0.00	0.00	0.00	0.00	0.00	0.00	7.78	0.01
130.00	60.00	0.19	2.58	0.00	0.00	2.69	2.74	1.87	3.58	0.00	0.00	0.00	0.00	0.00	0.00	7.89	0.01
120.00	60.00	0.13	1.85	0.00	0.00	2.70	2.74	1.79	3.57	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.01

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.71	1.49	0.00	0.00	7.50	3.65
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.16	0.43	0.00	0.00	7.06	3.62
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.62	3.58
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.17	3.53
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.73	3.47
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.28	3.40
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.84	3.31
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.40	3.20
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	3.07
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	2.91

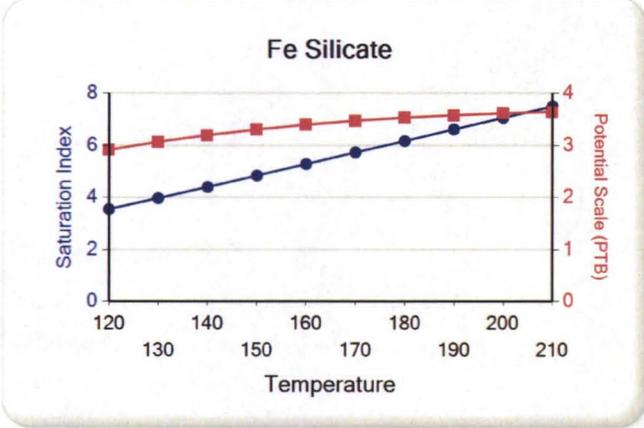
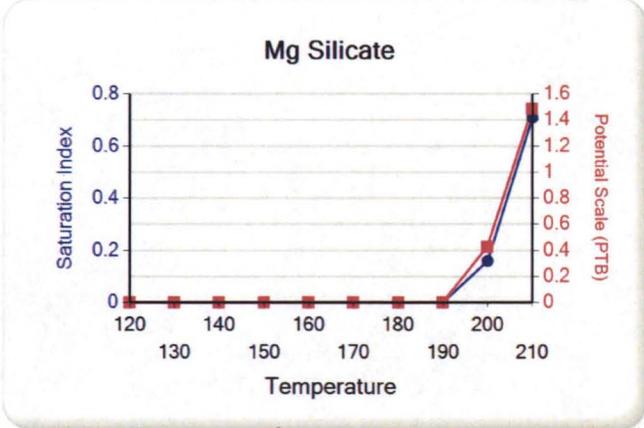
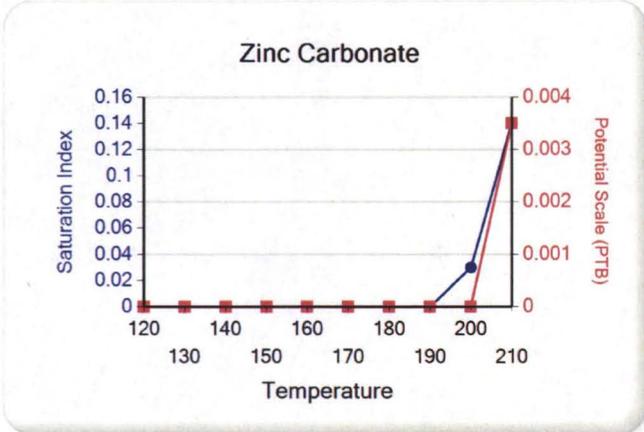
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Fe Silicate



Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

Water Analysis Report



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **ASHLEY INJECTION**

Sample Point: **After Filters**

Sample Date: **11/28/2012**

Sample ID: **WA-229120**

Sales Rep: **Michael McBride**

Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/28/2012	Sodium (Na):	4326.55	Chloride (Cl):	6000.00
System Temperature 1 (°F):	120.00	Potassium (K):	56.00	Sulfate (SO4):	280.00
System Pressure 1 (psig):	2000.0000	Magnesium (Mg):	16.90	Bicarbonate (HCO3):	1112.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	41.20	Carbonate (CO3):	
System Pressure 2 (psig):	2000.0000	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.005	Barium (Ba):	2.10	Propionic Acid (C2H5COO)	
pH:	8.20	Iron (Fe):	4.80	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	11840.06	Zinc (Zn):	0.34	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	11.80	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.17	Silica (SiO2):	
H2S in Water (mg/L):	0.00				

Notes:

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	1.36	31.13	0.67	0.98	0.00	0.00	2.46	3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	1.31	30.38	0.68	0.99	0.00	0.00	2.41	3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	1.26	29.58	0.70	1.00	0.00	0.00	2.35	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	1.21	28.71	0.72	1.01	0.00	0.00	2.30	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	1.16	27.79	0.75	1.03	0.00	0.00	2.24	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	1.11	26.84	0.78	1.04	0.00	0.00	2.19	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	1.07	25.86	0.82	1.06	0.00	0.00	2.13	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	1.02	24.88	0.86	1.08	0.00	0.00	2.07	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.98	23.89	0.91	1.10	0.00	0.00	2.01	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.95	22.92	0.96	1.11	0.00	0.00	1.95	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Multi-Chem Analytical Laboratory

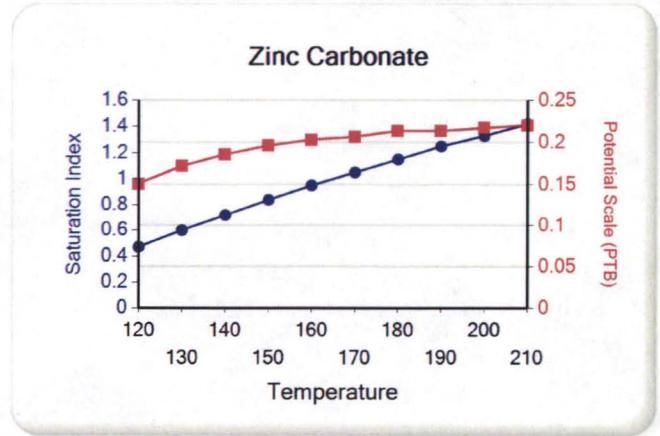
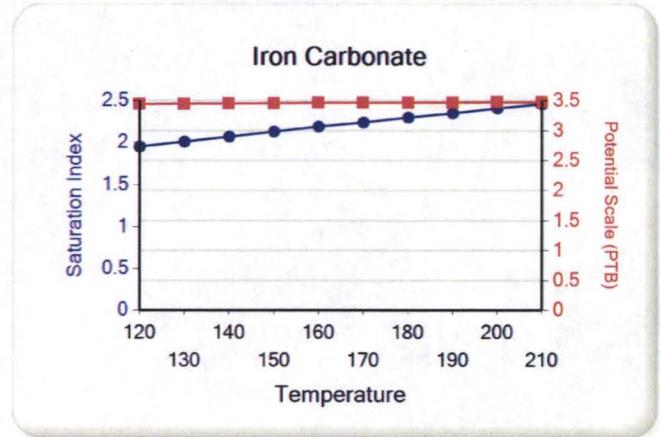
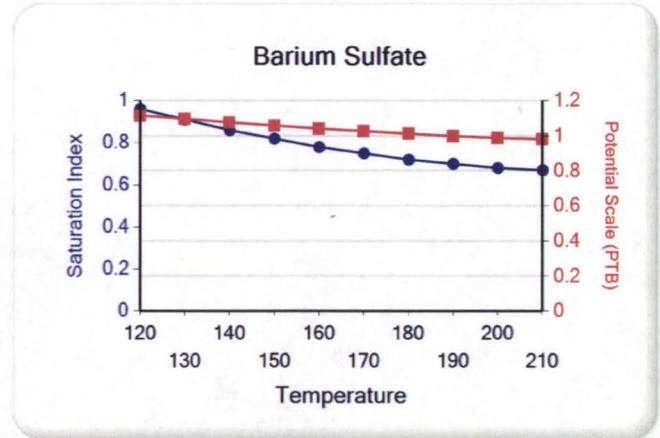
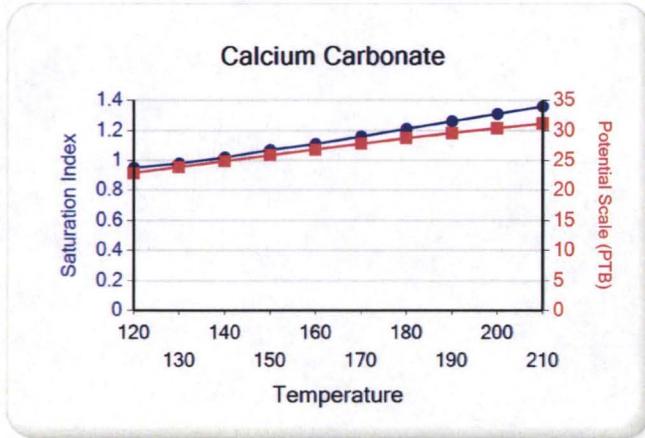
1553 East Highway 40

Vernal, UT 84078

Water Analysis Report

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate



Attachment "G"

**Ashleyl #6-22-9-15
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5448	5571	5510	1790	0.76	1755 ←
5126	5137	5132	2025	0.83	1992
5040	5051	5046	2875	1.00	2842
4620	4626	4623	1850	0.83	1820
				Minimum	<u><u>1755</u></u>

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

NEWFIELD



ATTACHMENT G-1

1 of 9

DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 **Report Date:** 6-7-06 **Day:** 01
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 313' **Prod Csg:** 5-1/2" @ 6047' **Csg PBTD:** 5962'WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
LODC sds	5448-5461'	4/52	_____	_____	_____
LODC sds	5489-5493'	4/16	_____	_____	_____
CP2 sds	5567-5571'	4/16	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Jun-06 **SITP:** _____ **SICP:** 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5962' & cement top @ 80'. Perforate stage #1, CP2 sds @ 5567-71' & LODC sds @ 5489-93', 5448-61' w/ 4" Port guns (19 gram, .46"HE 120°) w/ 4 spf for total of 84 shots. 142 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 142 **Starting oil rec to date:** _____
Fluid lost/recovered today: 0 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 142 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: _____ **Job Type:** _____

Company: _____

Procedure or Equipment detail:

COSTS

Weatherford BOP	_____
NPC NU crew	_____
NDSI trucking	_____
Perforators LLC	_____
Drilling cost	_____
Zubiate Hot Oil	_____
Location preparation	_____
NPC wellhead	_____
Benco - anchors	_____
Admin. Overhead	_____
NPC Supervisor	_____

Max TP: _____ **Max Rate:** _____ **Total fluid pmpd:** _____
Avg TP: _____ **Avg Rate:** _____ **Total Prop pmpd:** _____
ISIP: _____ **5 min:** _____ **10 min:** _____ **FG:** _____

Completion Supervisor: Ron Shuck

DAILY COST: _____ **\$0**
TOTAL WELL COST: _____

NEWFIELD



ATTACHMENT G-1

2009

DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 **Report Date:** 14-Jun-06 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 313' **Prod Csg:** 5-1/2" @ 6047' **Csg PBDT:** 5962'WL
Tbg: Size: Wt: **Grd:** Pkr/EOT @: **BP/Sand PBDT:**

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jun-06 **SITP:** SICP: 14 psi

Day 2a.

RU BJ Services. 14 psi on well. Frac CP2 & LODC w/ 50,237#'s of 20/40 sand in 500 bbls of Lightning 17 fluid Broke @ 2536 psi Treated w/ ave pressure of 1778 psi @ ave rate of 25.2 BPM. ISIP 1790 psi. Leave pressure or well. 642 BWTR. See Day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 142 **Starting oil rec to date:** _____
Fluid lost/recovered today: 500 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 642 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: CP2 & LODC sands

COSTS

BJ Services-CP2/LODC
NPC frac wtr
NPC fuel gas
Weatherford tools/serv
NPC trucking
NPC Supervisor

4800 gals of pad
3351 gals W/ 1-4 ppg of 20/40 sand
6690 gals W/ 4-6.5 ppg of 20/40 sand
699 gals W/ 6.5 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 4939 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2056 **Max Rate:** 25.6 BPM **Total fluid pmpd:** 500 bbls
Avg TP: 1778 **Avg Rate:** 25.2 BPM **Total Prop pmpd:** 50,237#'s
ISIP: 1790 **5 min:** _____ **10 min:** _____ **FG:** .76

Completion Supervisor: Orson Barney

DAILY COST: _____ **\$0**
TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 **Report Date:** 14-Jun-06 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 313' **Prod Csg:** 5-1/2" @ 6047' **Csg PBTD:** 5962'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5235'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LODC sds	5126- 5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jun-06 **SITP:** _____ **SICP:** 1445 psi

Day 2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 11' perf guns. Se plug @ 5235'. Perforate LODC sds @ 5126- 37' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 44 shots. RU BJ Services. 1445 psi on well. Frac LODC sds w/ 40,237#'s of 20/40 sand in 406 bbls of Lightning 17 fluid Broke @ 2050 psi Treated w/ ave pressure of 2027 psi @ ave rate of 25.1 BPM. ISIP 2025 psi. Leave pressure or well. 1048 BWTR. See Day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 642 **Starting oil rec to date:** _____
Fluid lost/recovered today: 406 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1048 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: LODC sands

- _____ 1176 gals to breakdown & crosslink.
- _____ 3200 gals of pad
- _____ 2500 gals W/ 1-5 ppg of 20/40 sand
- _____ 5010 gals W/ 5-8 ppg of 20/40 sand
- _____ Flush W/ 504 gals of 15% HCL acid
- _____ Flush W/ 4658 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2398 **Max Rate:** 25.4 BPM **Total fluid pmpd:** 406 bbls
Avg TP: 2027 **Avg Rate:** 25.1 BPM **Total Prop pmpd:** 40,237#'s
ISIP: 2025 **5 min:** _____ **10 min:** _____ **FG:** .83

Completion Supervisor: Orson Barney

COSTS

_____ BJ Services-LODC
 _____ NPC frac wtr
 _____ NPC fuel gas
 _____ Weatherford tools/serv
 _____ Lone Wolf WL
 _____ NPC Supervisor

DAILY COST: _____ **\$0**
TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 **Report Date:** 14-Jun-06 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 313' **Prod Csg:** 5-1/2" @ 6047' **Csg PBDT:** 5962'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 5090'
BP: 5235'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sds	5040- 5051'	4/44			
LODC sds	5126- 5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jun-06 **SITP:** _____ **SICP:** 1390 psi

Day 2c.
 RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 11' perf guns. Se plug @ 5051'. Perforate A1 sds @ 5040- 51' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 44 shots. RU BJ Services. 1390 psi on well. Frac A1 sds w/ 89,409#'s of 20/40 sand in 650 bbls of Lightning 17 fluid Broke @ 2621 psi Treated w/ ave pressure of 2340 psi @ ave rate of 25 BPM. ISIP 2875 psi. Leave pressure or well. 1698 BWTR. See Day 2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1048 **Starting oil rec to date:** _____
Fluid lost/recovered today: 650 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1698 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: A1 sands

- _____ 6800 gals of pad
- _____ 4625 gals W/ 1-5 ppg of 20/40 sand
- _____ 9250 gals W/ 5-8 ppg of 20/40 sand
- _____ 1627 gals W/ 8 ppg of 20/40 sand
- _____ Flush W/ 504 gals of 15% HCL acid
- _____ Flush W/ 4494 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2629 **Max Rate:** 25.3 BPM **Total fluid pmpd:** 650 bbls
Avg TP: 2340 **Avg Rate:** 25 BPM **Total Prop pmpd:** 89,409#'s
ISIP: 2875 **5 min:** _____ **10 min:** _____ **FG:** 1.0

Completion Supervisor: Orson Barney

COSTS

BJ Services-A1
NPC frac wtr
NPC fuel gas
Weatherford tools/serv
Lone Wolf WL
NPC Supervisor

DAILY COST: _____ **\$0**
TOTAL WELL COST: _____

NEWFIELD



ATTACHMENT G-1
5 of 9

DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 **Report Date:** 14-Jun-06 **Day:** 2d
Operation: Completion **Rig:** NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 313' **Prod Csg:** 5-1/2" @ 6047' **Csg PBDT:** 5962'WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 4730'
BP: 5090', 5235'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4620- 4626'	4/24			
A1 sds	5040- 5051'	4/44			
LODC sds	5126- 5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jun-06 **SITP:** _____ **SICP:** 2228 psi

Day 2d.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 6' perf guns. Se plug @ 4730'. Perforate D1 sds @ 4620- 26' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 24 shots. RU BJ Services. 2228 psi on well. Frac D1 sds w/ 41,156#'s of 20/40 sand in 420 bbls of Lightning 17 fluid Broke @ 4020 psi Treated w/ ave pressure of 1775 psi @ ave rate of 25.2 BPM. ISIP 1850 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 1 hr & went on a vacuum. Rec. 57 BTF. MIRU NC#1. ND Cameror BOP & 5M WH. NU 3M WH & Weatherford Schaeffer BOP. SIWFN w/ 2061 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1698 **Starting oil rec to date:** _____
Fluid lost/recovered today: 363 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2061 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services

Procedure or Equipment detail: D1 sands

3900 gals of pad

2856 gals W/ 1-4 ppg of 20/40 sand

5640 gals W/ 4-6.5 ppg of 20/40 sand

750 gals W/ 6.5 ppg of 20/40 sand

Flush W/ 4494 gals of slick water

Max TP: 1910 **Max Rate:** 25.4 BPM **Total fluid pmpd:** 420 bbls
Avg TP: 1775 **Avg Rate:** 25.2 BPM **Total Prop pmpd:** 41,156#'s
ISIP: 1850 **5 min:** _____ **10 min:** _____ **FG:** .83
Completion Supervisor: Orson Barney

COSTS

BJ Services-D1 _____

NPC frac wtr _____

NPC fuel gas _____

Weatherford tools/serv _____

Lone Wolf WL _____

NPC Supervisor _____

Unichem chemicals _____

NC #1 rig _____

Monks pit reclaim _____

NPC sfc equipment _____

NDSI wtr disposal _____

NPC location cleanup _____

Mt west sanitation _____

DAILY COST: _____ **\$0**

TOTAL WELL COST: _____

NEWFIELD



ATTACHMENT G-1 6 of 9

DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 Report Date: June 15, 2006 Day: 03
 Operation: Completion Rig: NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 6047' Csg PBDT: 6003'
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5780' BP/Sand PBDT: 6003'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4620-4626'	4/24			
A1 sds	5040-5051'	4/44			
LODC sds	5126-5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: June 14, 2006 SITP: _____ SICP: 0

Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4607'. Tbg displaced 11 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4607', plug @ 4730' in 25 minutes; sd @ 4993', plug @ 5090' in 19 minutes; sd @ 5100', plug @ 5235' in 30 minutes. Con't swivelling jts in hole. Tag fill @ 5861'. Drill plug remains & sd to PBDT @ 6003". Circ hole clean. Lost est 120 BW during cleanout. RD swivel. Pull EOT to 5906'. RU swab equipment. IFL @ sfc. Made 5 runs rec 58 BTF, tbg swabbed dry. PU on tbg & found to be sticky. RU & fill tbg W/ 34 BW & work tbg loose. Circ hole clean. Pull EOT to 5780'. RU swab equipment. IFL @ sfc. Made 2 swb runs rec 20 BW W/ FFL @ 700'. SIFN W/ est 2137 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2061 Starting oil rec to date: _____
 Fluid lost/recovered today: 76 Oil lost/recovered today: _____
 Ending fluid to be recovered: 2137 Cum oil recovered: _____
 IFL: sfc FFL: 700' FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: 0

STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____
 Company: _____
 Procedure or Equipment detail:

COSTS

NC #1 rig _____
 Weatherford BOP _____
 NDSI trucking _____
 NPC trucking _____
 R & T labor/welding _____
 B & L - new J55 tbg _____
 RBS swivel _____
 CDI TA _____
 CDI SN _____
 NPC supervision _____

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
 Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
 ISIP: _____ 5 min: _____ 10 min: _____ FG: _____

Completion Supervisor: Gary Dietz

DAILY COST: _____ \$0
 TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 Report Date: June 16, 2006 Day: 04
Operation: Completion Rig: NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 6047' Csg PBDT: 6003'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5874' BP/Sand PBDT: 6003'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4620- 4626'	4/24			
A1 sds	5040- 5051'	4/44			
LODC sds	5126- 5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: June 15, 2006 SITP: 0 SICP: 0

Con't swabbing well for cleanup. IFL @ 1400'. Made 1 swb run rec 11 BTF. Run #2 sandline became stuck @ 4100'. Unable to circ bars out--able to pull out of rope socket. Work tbg & found free. TOH W/ tbg. Found 8' sd over sinker bars. TOH W/ remaining tbg--LD bit. TIH W/ 2 3/8" NC, X-O & tbg. Tag fill @ 5946' (57' new fill !). C/O sd to PBDT @ 6003'. Circ hole clean. Lost est 130 BW during cleanout. Pull EOT to 5874'. RU swab equipment. IFL @ sfc. Made 12 swb runs rec 131 BTF W/ tr oil & light gas. Made heavy sand on early runs, is cleaning up toward end of day. FFL @ 1800'. SIFN W/ est 2125 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2137 Starting oil rec to date: _____
Fluid lost/recovered today: 12 Oil lost/recovered today: _____
Ending fluid to be recovered: 2125 Cum oil recovered: _____
IFL: 1400' FFL: 1800' FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: tr

STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____
Company: _____
Procedure or Equipment detail: _____

COSTS

NC #1 rig _____
Weatherford BOP _____
NPC supervision _____

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
ISIP: _____ 5 min: _____ 10 min: _____ FG: _____

Completion Supervisor: Gary Dietz

DAILY COST: \$0
TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 Report Date: June 17, 2006 Day: 05
Operation: Completion Rig: NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 6047' Csg PBDT: 6003'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5874' BP/Sand PBDT: 6003'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4620- 4626'	4/24			
A1 sds	5040- 5051'	4/44			
LODC sds	5126- 5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: June 16, 2006 SITP: 0 SICP: 0

Con't swabbing well for cleanup. IFL @ 1800'. Made 28 swb runs rec 280 BTF W/ fair gas & 3% FOC. Made steady sd throughout day W/ little improvement. FFL @ 2400'. TIH W/ tbg. Tag sd @ 5914' (89' of new fill). Pull EOT to 5874'. SIFN W/ est 1845 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2125 Starting oil rec to date: _____
Fluid lost/recovered today: 280 Oil lost/recovered today: _____
Ending fluid to be recovered: 1845 Cum oil recovered: _____
IFL: 1800' FFL: 2400' FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: 3%

STIMULATION DETAIL

COSTS

Base Fluid used: _____	Job Type: _____	NC #1 rig	_____
Company: _____		Weatherford BOP	_____
Procedure or Equipment detail:		NPC supervision	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
ISIP: _____ 5 min: _____ 10 min: _____ FG: _____
Completion Supervisor: Gary Dietz DAILY COST: _____ \$0
TOTAL WELL COST: _____

NEWFIELD



ATTACHMENT G-1

9 of 9

DAILY COMPLETION REPORT

WELL NAME: Ashley Fed 6-22-9-15 **Report Date:** June 20, 2006 **Day:** 06
Operation: Completion **Rig:** NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 313' **Prod Csg:** 5-1/2" @ 6047' **Csg PBDT:** 6003'
Tbg: **Size:** 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Anchor @:** 5534' **BP/Sand PBDT:** 6003'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4620- 4626'	4/24			
A1 sds	5040- 5051'	4/44			
LODC sds	5126- 5137'	4/44			
LODC sds	5448-5461'	4/52			
LODC sds	5489-5493'	4/16			
CP2 sds	5567-5571'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: June 19, 2006 **SITP:** 125 **SICP:** 500

Bleed gas off well. Pull 2 jts tbg--EOT @ 5811'. Con't swabbing well for cleanup. IFL @ 2300'. Made 5 swb runs rec 59 BTF W/ fair gas & 5% oi cut. Still making steady trace of sand. FFL @ 2400'. TIH W/ tbg. Tag sd @ 5890' (24' new fill). C/O sd to PBDT @ 6003'. Circ hole clean. Los est 190 BW & rec 10 BO. LD excess tbg. TOH W/ tbg & NC. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI & 1/2" TA (45K) & 175 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5534' W/ SN @ 5569' & EOT @ 5633'. Land tbg W/ 15,000# tension. NL wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 4' X 17' RTBC pump W/ ballknocker, 6-1 1/2" weigh rods, 10-3/4" scraped rods, 106-3/4" plain rods, 98-3/4" scraped rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. Fill tbg W/ BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1980 BWTR. Place well on production @ 6:00 PM 6/19/2006 W/ 84" SL @ 5 SPM.

FINAL REPORT!!

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1845 **Starting oil rec to date:** 0
Fluid lost/recovered today: 135 **Oil lost/recovered today:** 10
Ending fluid to be recovered: 1980 **Cum oil recovered:** 10
IFL: 2300' **FFL:** 2400' **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** 5%

TUBING DETAIL	ROD DETAIL	COSTS
KB 12.00'	1 1/2" X 22' polished rod	NC #1 rig
175 2 7/8 J-55 tbg (5522.16')	1-8', 1-6', 1-4' & 1-2' X 3/4" ponies	Weatherford BOP
TA (2.80' @ 5534.16' KB)	98-3/4" scraped rods	NPC trucking
1 2 7/8 J-55 tbg (31.65')	106-3/4" plain rods	CDI rod pump
SN (1.10' @ 5568.61' KB)	10-3/4" scraped rods	"A" grade rod string
2 2 7/8 J-55 tbg (63.30')	6-1 1/2" weight rods	Zubiate HO trk
2 7/8 NC (.45')	CDI 2 1/2' X 1 1/2" X 4' X 17'	NPC frac tks(6X5 dys)
EOT 5633.46' W/ 12' KB	RTBC pump W/ ballknocker	NPC swab tk (4 dys)
		NPC frac head
		NPC supervision

DAILY COST: _____ **\$0**

Completion Supervisor: Gary Dietz

TOTAL WELL COST: _____

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4570'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 191' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 46 sx Class "G" cement down 5 1/2" casing to 363'

The approximate cost to plug and abandon this well is \$42,000.

Ashley Federal 6-22-9-15

Spud Date: 05/12/2006
 Put on Production: 006/19/06
 K.B.: 6436, G.L.: 6424

Initial Production: BOPD,
 MCFD, BWPD

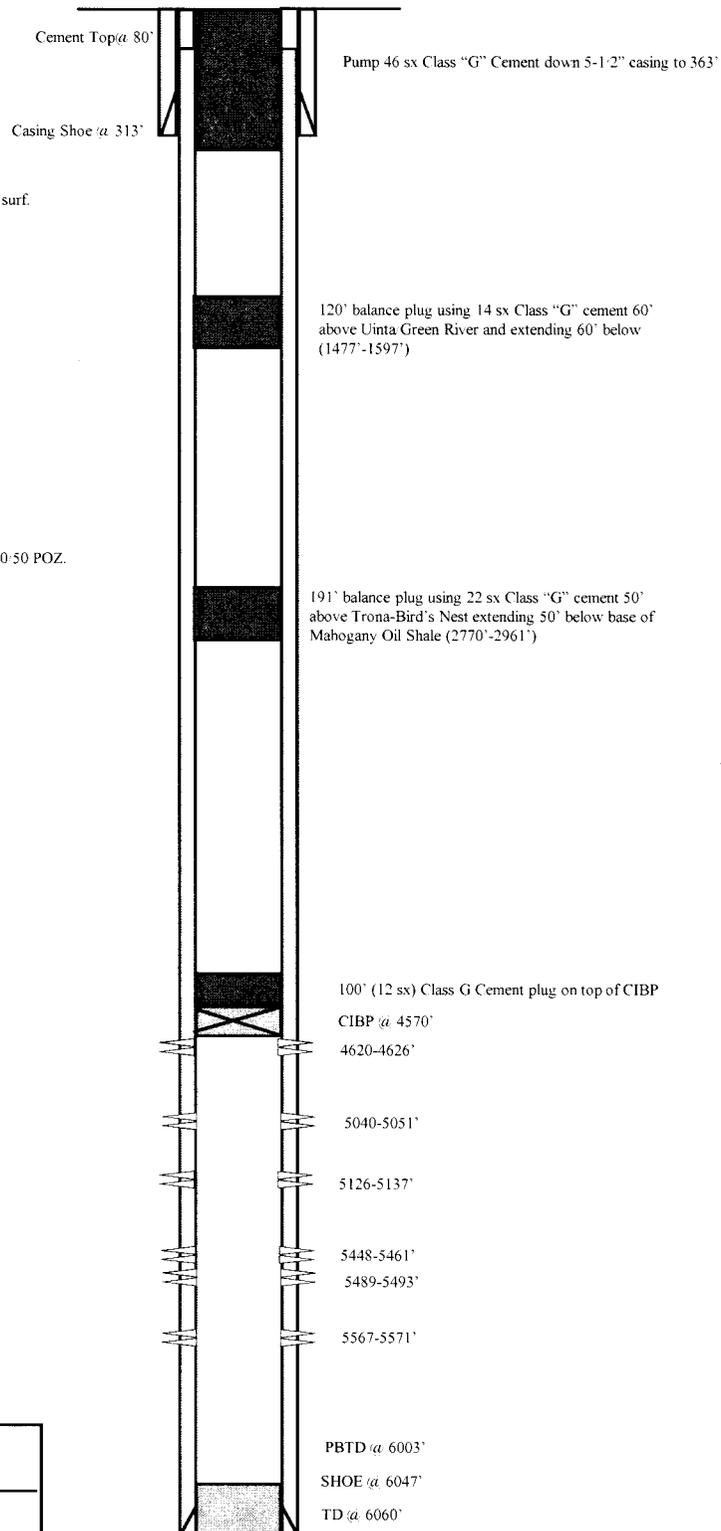
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.10')
 DEPTH LANDED: 313.00' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6048.43')
 DEPTH LANDED: 6047.68' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50:50 POZ.
 CEMENT TOP: 80'




<p>Ashley Federal 6-22-9-15 1949' FNL & 1157' FWL SE/NW Section 22-T9S-R15E Duchesne Co, Utah API #43-013-32857; Lease #UTU-68548</p>