



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

June 22, 2001

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

RE: Application for Permit to Drill Well No: 6-8-9-16, 11-8-9-16, 12-8-9-16,  
13-8-9-16, and 14-8-9-16.

Dear Brad:

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

Sincerely,

Mandie Crozier  
Permit Clerk

mc  
enclosures

cc: Jon Holst  
Denver office well file  
Pleasant Valley well file

**RECEIVED**

JUN 25 2001

DIVISION OF  
OIL, GAS AND MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME <b>West Point</b>	
3. ADDRESS OF OPERATOR <b>Route #3 Box 3630, Myton, UT 84052</b> Phone: (435) 646-3721		8. FARM OR LEASE NAME WELL NO. <b>12-8-9-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface <b>NW/SW 584' FWL 2083' FSL</b> At proposed Prod. Zone <b>4432772 N 572518 E</b>		9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 13.4 miles southwest of Myton, Utah</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to <b>Approx. 2056' f/lse line &amp; 2056' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>2,037.19</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NW/SW Sec. 8, T9S, R16E</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1377'</b>	19. PROPOSED DEPTH <b>6500'</b>	12. County <b>Duchesne</b>	13. STATE <b>UT</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5937.1' GR</b>		22. APPROX. DATE WORK WILL START* <b>3rd Quarter 2001</b>	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>			

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

**Federal Approval of this  
Action is Necessary**

**RECEIVED**

**JUN 25 2001**

**DIVISION OF  
OIL, GAS AND MINING**

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

24. SIGNED *Mandi Cozies* TITLE Permit Clerk DATE June 22, 2001

(This space for Federal or State office use)  
PERMIT NO. 43-013-32286 APPROVAL DATE \_\_\_\_\_

Application approval 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.

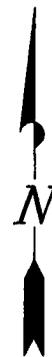
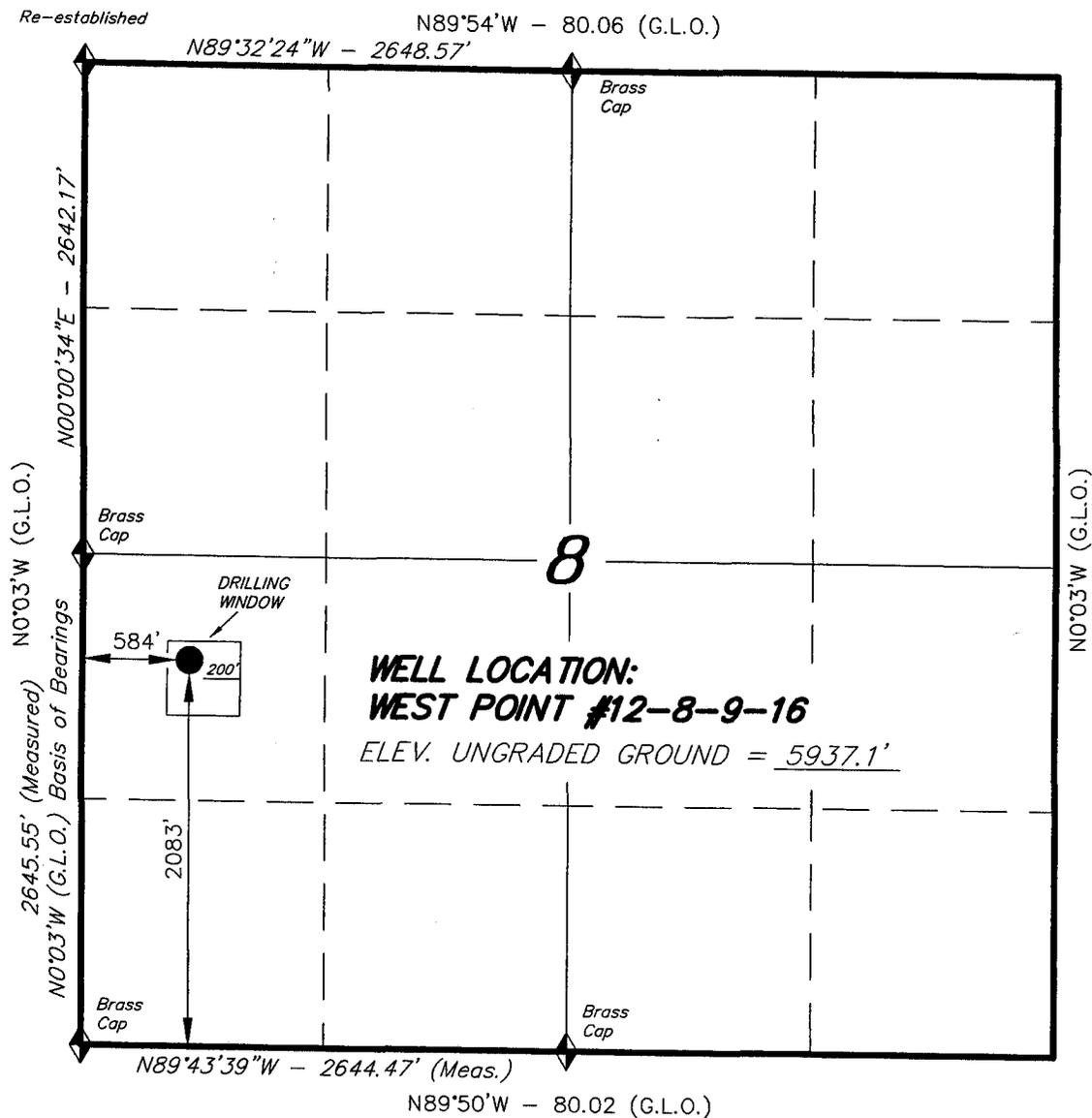
CONDITIONS OF APPROVAL, IF ANY:  
APPROVED BY *Bradley G Hill* TITLE BRADLEY G. HILL DATE 06-26-01  
**RECLAMATION SPECIALIST III**

**\*See Instructions On Reverse Side**

# T9S, R16E, S.L.B.&M.

## INLAND PRODUCTION COMPANY

WELL LOCATION, WEST POINT  
 #12-8-9-16, LOCATED AS SHOWN IN  
 THE NW 1/4 SW 1/4 OF SECTION 8,  
 T9S, R16E, S.L.B.&M. DUCHESNE COUNTY,  
 UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.

**REGISTERED**  
**No. 15**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189577  
 STATE OF UTAH  
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

### TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.D.S.
DATE: 5-1-01	WEATHER: COOL
NOTES:	FILE #

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: West Point 12-8-9-16

API Number:

Lease Number: UTU-74390

**GENERAL**

Access well location from the southwest, off the access road for the proposed 12-8-9-16 well location.

**CULTURAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**PALEONTOLOGICAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**WILDLIFE AND FISHERIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**TREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**FERRUGINOUS HAWK:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between February 1 and May 30. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date, but shall make practical efforts to build the location so that the well pad and access road are not visible from the nest site. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. 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.

**BURROWING OWL:** Due to the proximity of the location to active prairie fog towns, there is the potential to encounter nesting burrowing owl between April 1 and July 15. If new construction or surface disturbing activities are scheduled between April 1 and July 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owl within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 miles of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

#### **OTHER**

Installation of the surface gas pipeline and any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the water line area will be completed within 10 days after installation. The surface will be recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

INLAND PRODUCTION COMPANY  
WEST POINT #12-8-9-16  
NW/SW SECTION 8, T9S, R16E  
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' – 1640'
Green River	1640'
Wasatch	6500'

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

Green River Formation 1640' – 6500' - 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 2000 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.

INLAND PRODUCTION COMPANY  
WEST POINT #12-8-9-16  
NW/SW SECTION 8, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site West Point # 12-8-9-16 located in the NW 1/4 SW 1/4 Section 8, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 10.9 miles ± to it's junction with an existing road; proceed southeasterly 0.4 miles ± to it's junction with an existing jeep trail; proceed northeasterly along the jeep trail 0.5 miles ± to it's junction with an existing dirt road; proceed northeasterly along the dirt road to the beginning of the proposed access road; proceed easterly along the proposed access road 227' ± 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

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

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

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 Paleontological Resource Survey and Archaeological Resource Survey for this area are attached.

Inland Production Company requests a 60' ROW for the West Point #12-8-9-16 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."**

Inland Production Company also requests a 60' ROW be granted for the West Point #12-8-9-16 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

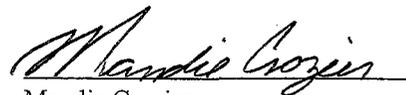
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #12-8-9-16 NE/SW Section 8, Township 9S, Range 16E: Lease UTU-74390 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 Inland 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.

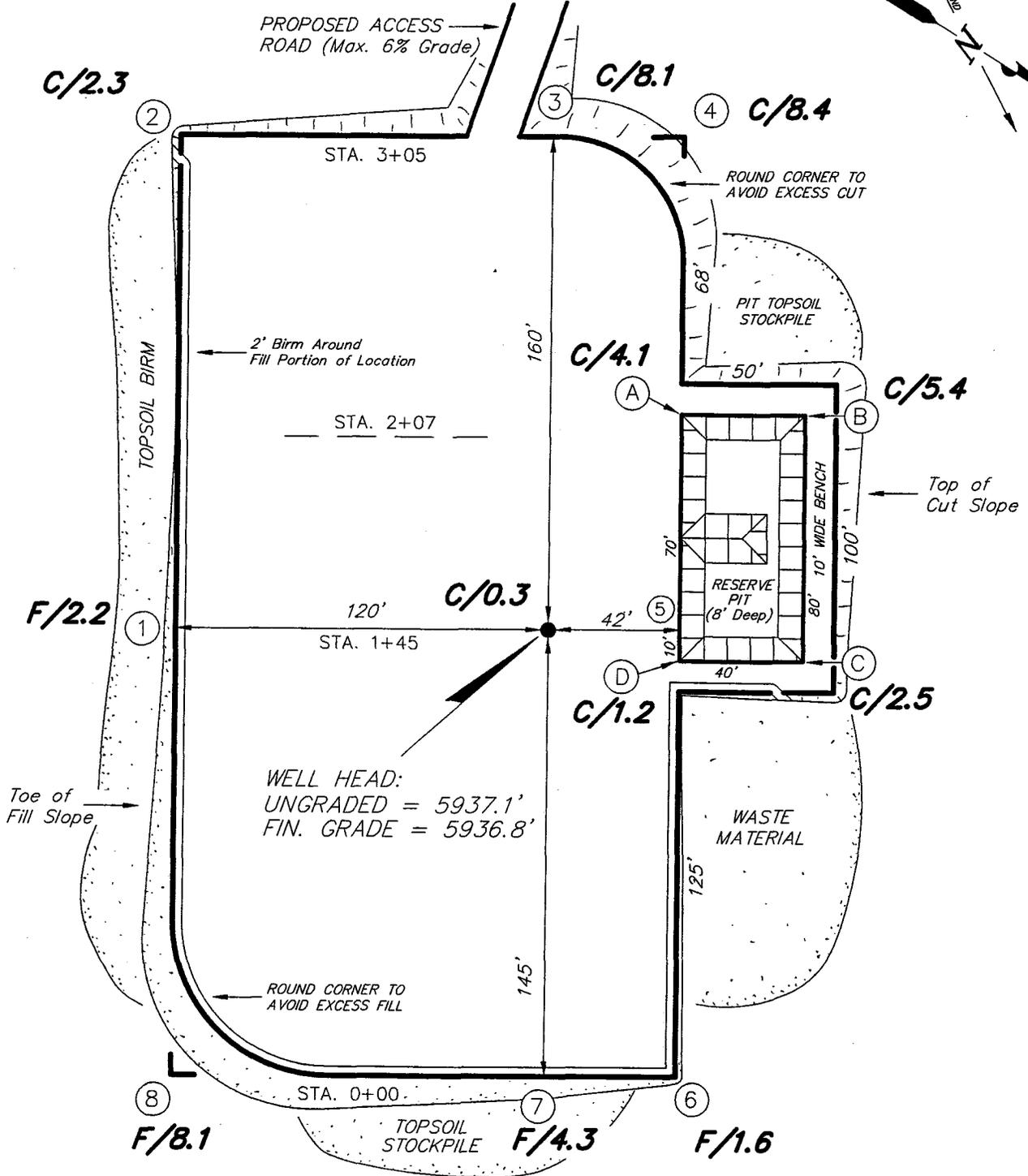
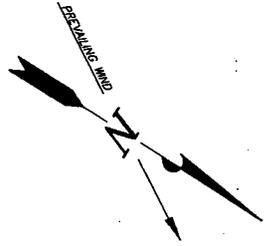
June 22, 2001

Date

  
Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

WEST POINT #12-8-9-16  
SEC. 8, T9S, R16E, S.L.B.&M.



### REFERENCE POINTS

- 170' SOUTHEAST = 5931.7'
- 220' SOUTHEAST = 5926.1'
- 195' NORTHEAST = 5934.1'
- 245' NORTHEAST = 5936.3'

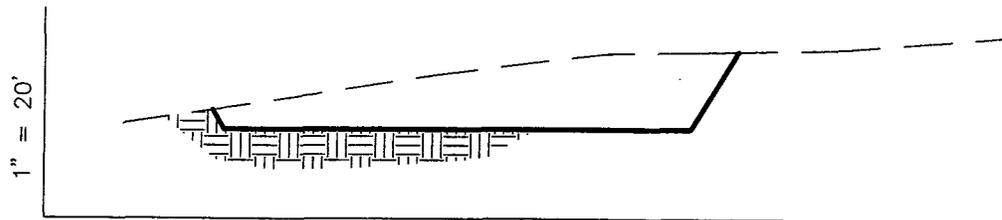
SURVEYED BY: L.D.T.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 5-1-01

**Tri State**  
 Land Surveying, Inc.  
 38 WEST 100 NORTH VERNAL, UTAH 84078  
 (435) 781-2501

# INLAND PRODUCTION COMPANY

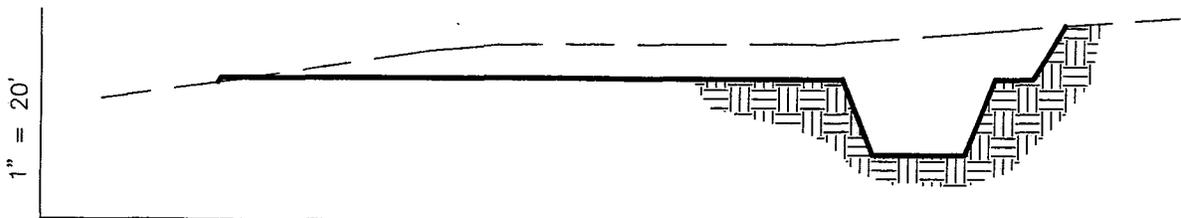
## CROSS SECTIONS

### WEST POINT #12-8-9-16



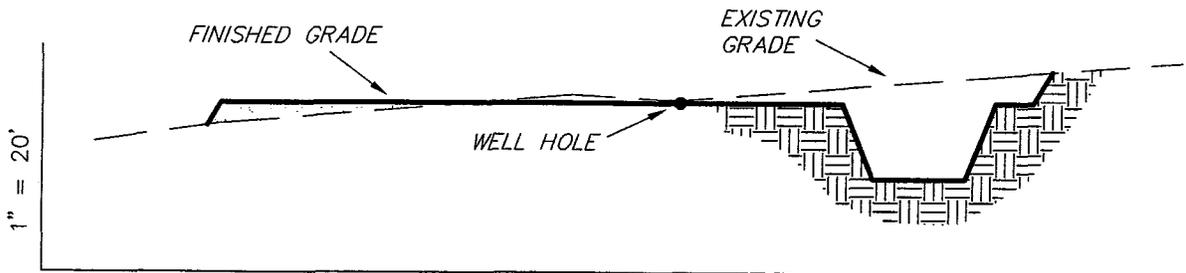
1" = 50'

STA. 3+05



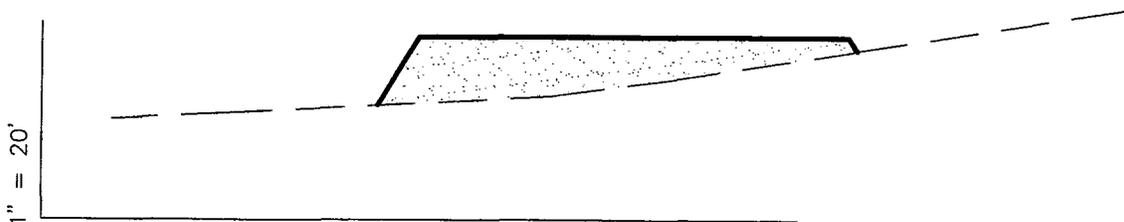
1" = 50'

STA. 2+07



1" = 50'

STA. 1+45



1" = 50'

STA. 0+00

#### APPROXIMATE YARDAGES

CUT = 3,510 Cu. Yds.

FILL = 3,510 Cu. Yds.

PIT = 640 Cu. Yds.

6" TOPSOIL = 1,010 Cu. Yds.

SURVEYED BY: L.D.T.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

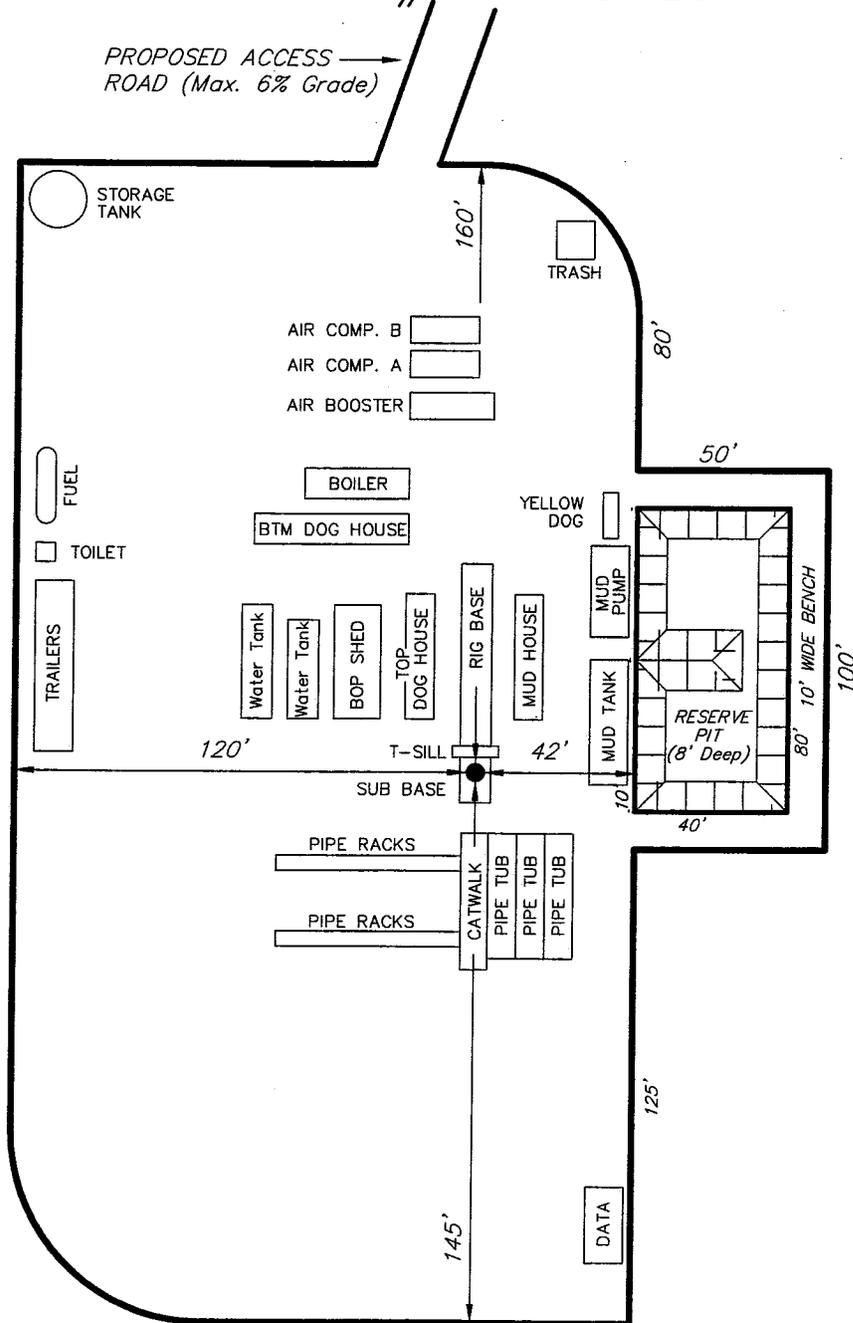
DATE: 5-1-01

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### WEST POINT #12-8-9-16



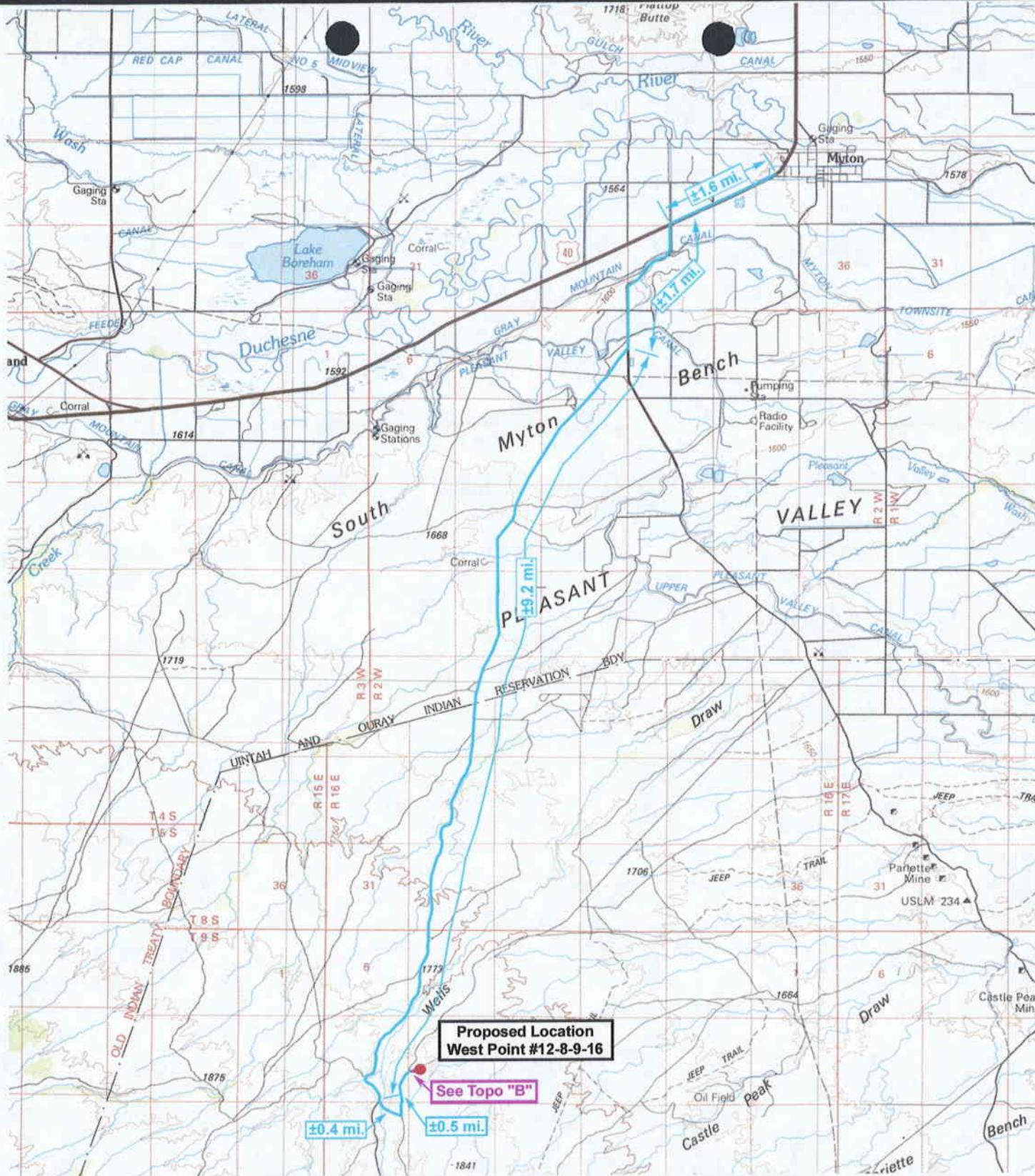
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SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 5-1-01

Tri State  
Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078  
(435) 781-2501



**WEST POINT #12-8-9-16**  
**SEC. 8, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1 : 100,000

DRAWN BY: SS

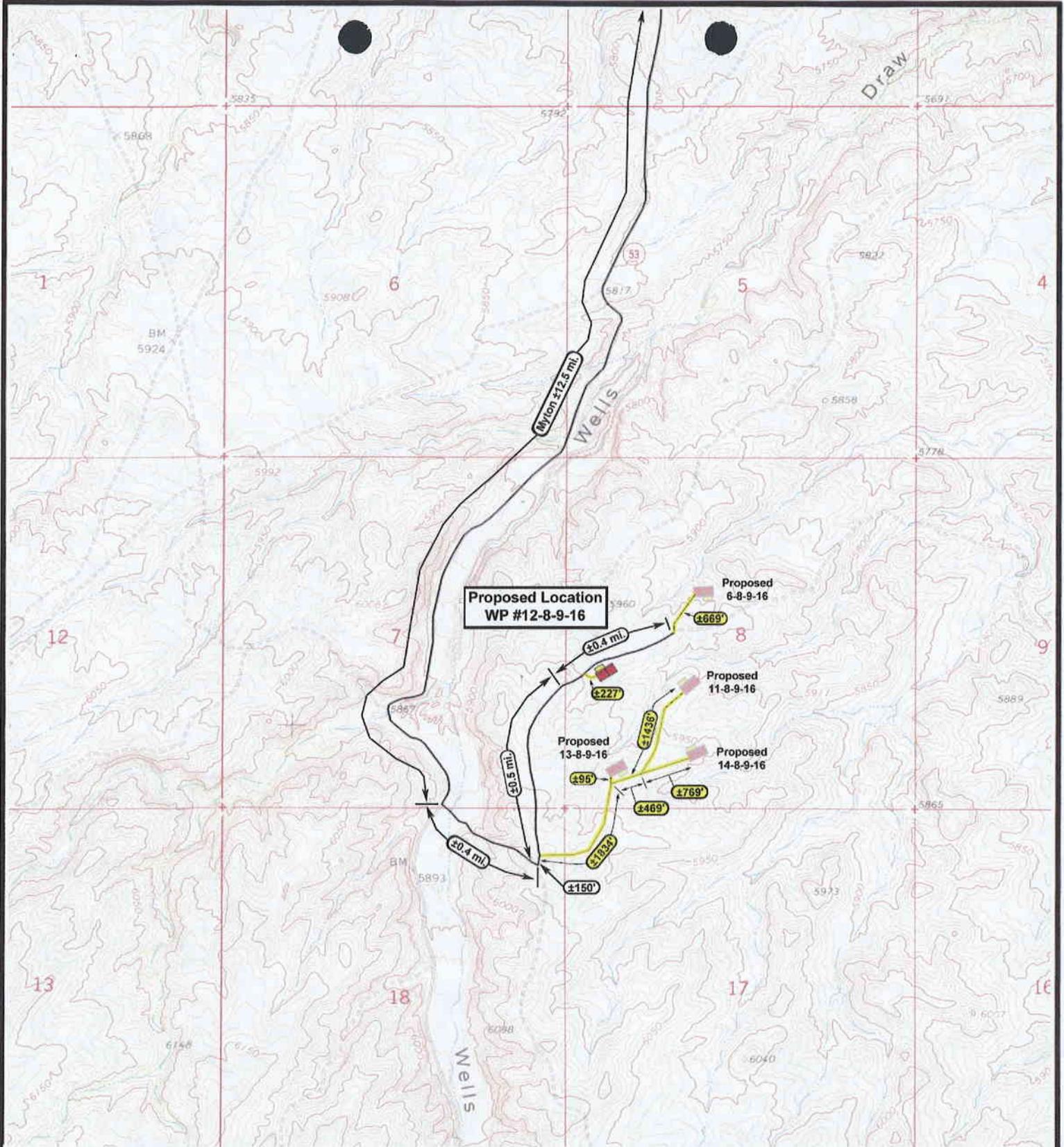
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**Legend**

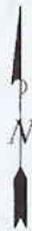
- EXISTING ROAD
- PROPOSED ROAD

TOPOGRAPHIC MAP

**"A"**



**WEST POINT #12-8-9-16  
SEC. 8, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

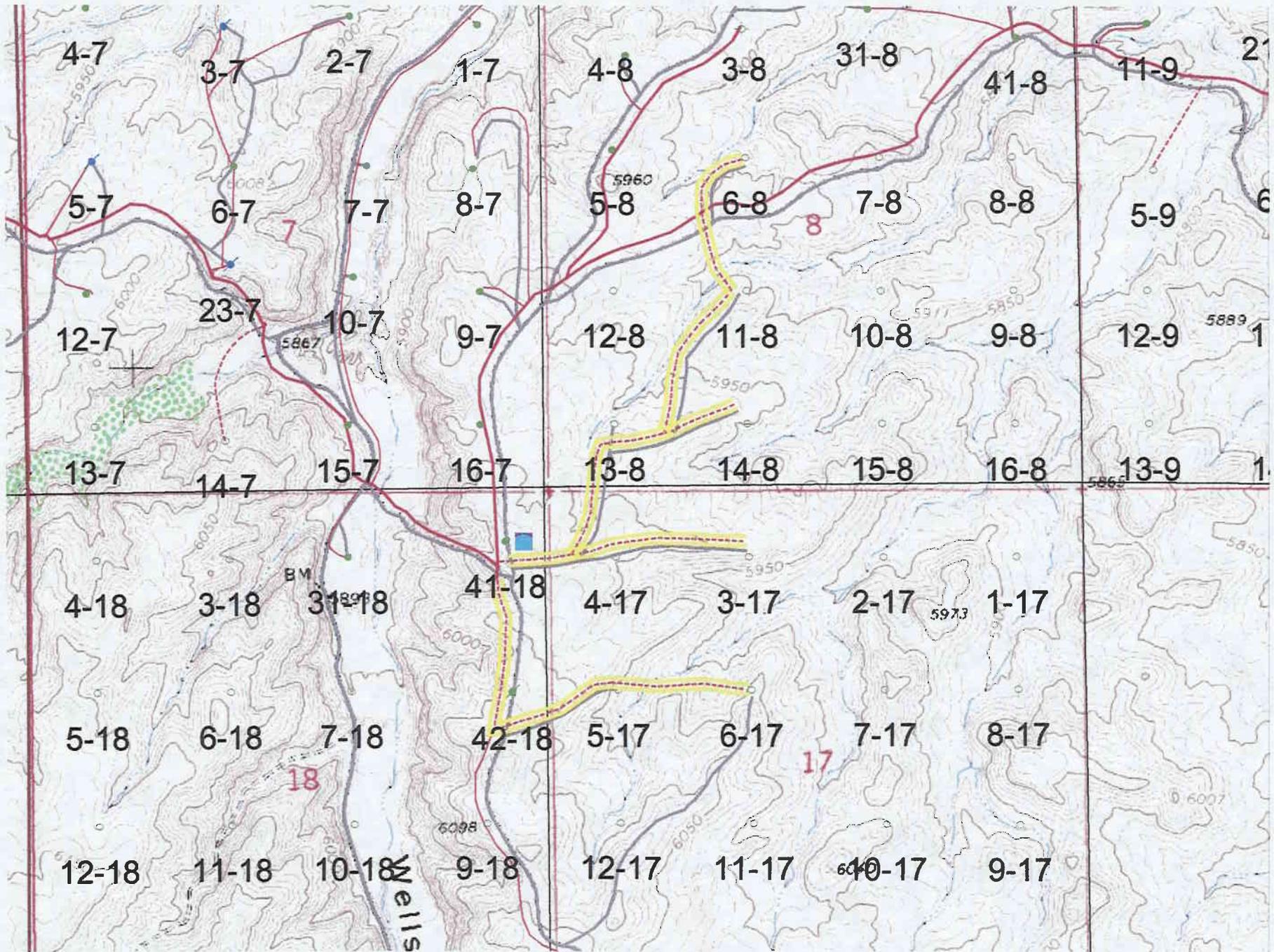
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DRAWN BY: SS  
DATE: 5-9-01

**Legend**

- Proposed Roads
- Existing Roads

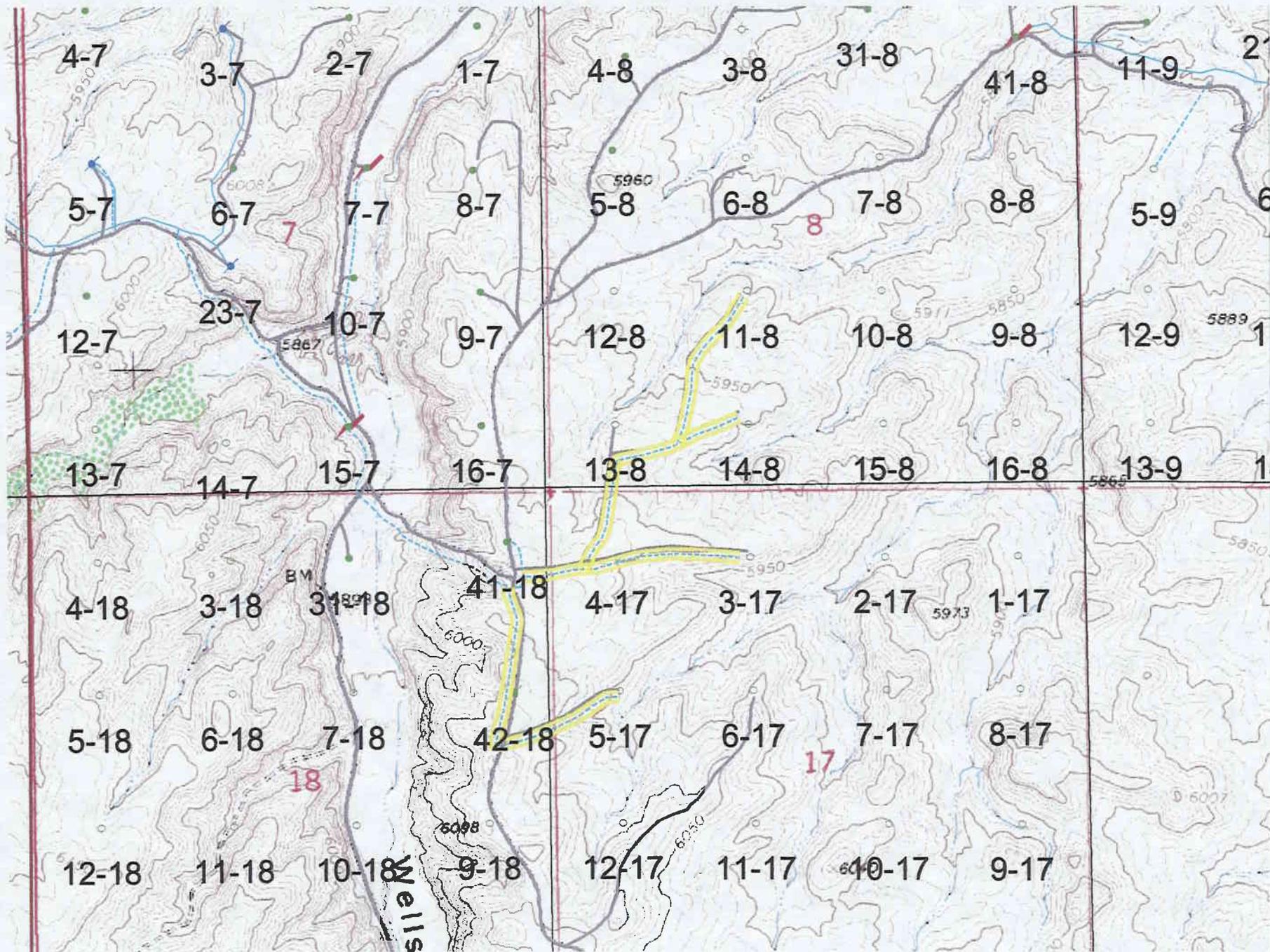
TOPOGRAPHIC MAP  
**"B"**

Topographic Map "C"  
Proposed Gas Line

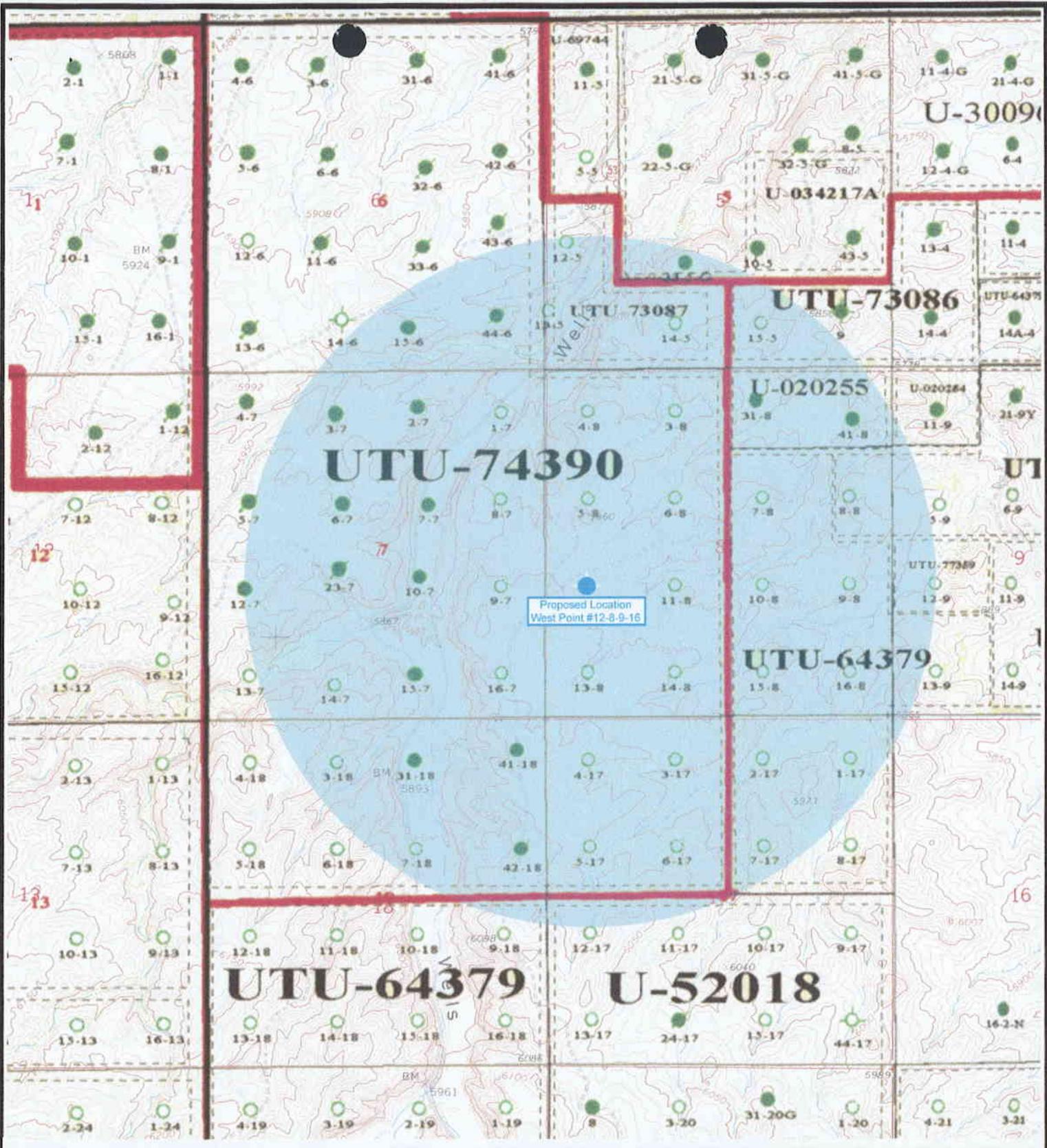


----- Proposed Gas Line

Topographic Map "C"  
Proposed Water Line



----- Proposed Water Line



RESOURCES INC.

**WEST POINT #12-8-9-16**  
**SEC. 8, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'

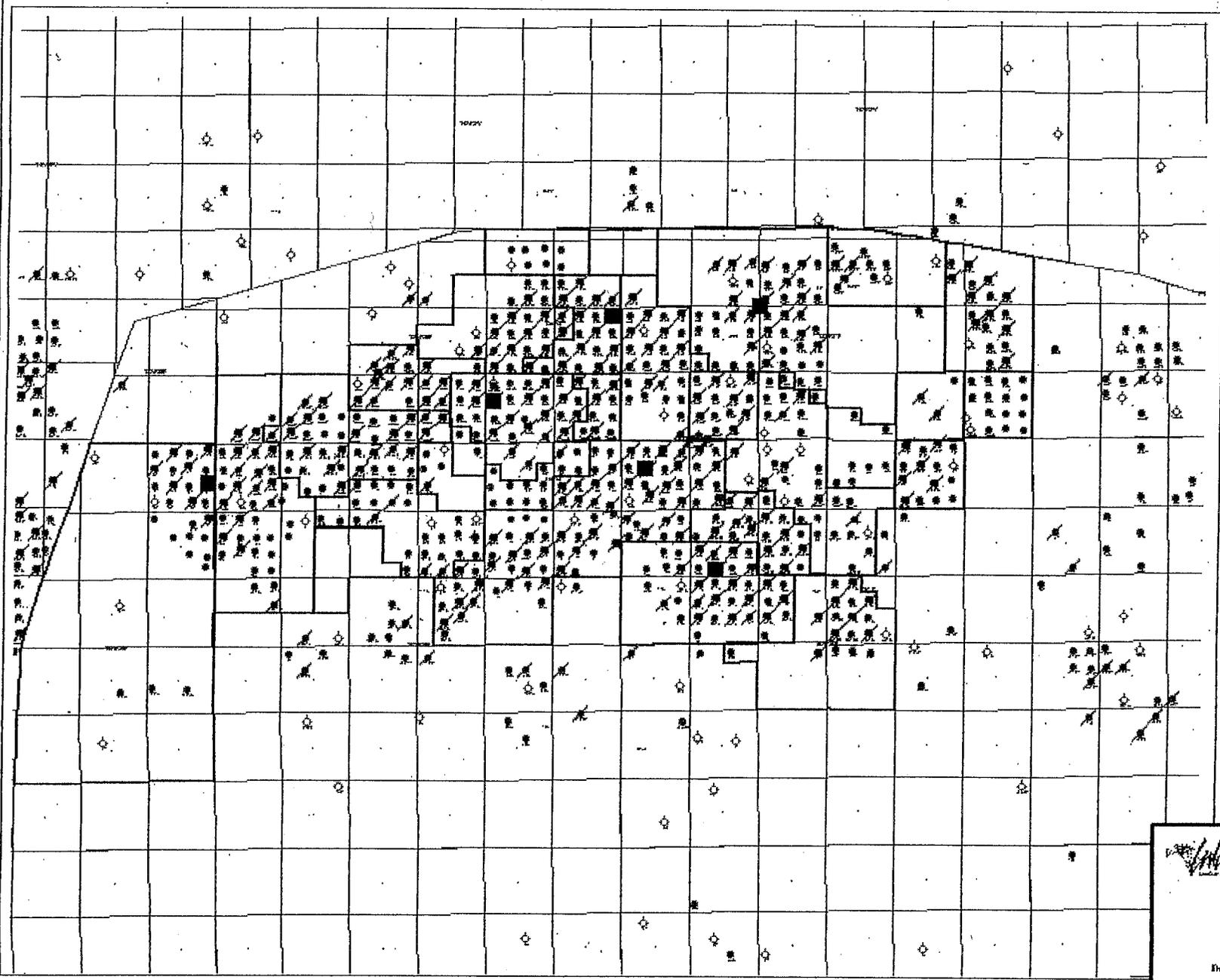
DRAWN BY: SS

DATE: 5-14-01

**Legend**

EXHIBIT

**"B"**



- Heckin Stakes
- Well Categories
- ↘ INJ
- ★ OIL
- ◇ DRY
- ⚡ SHUTIN
- Units



Exhibit "A"

0 1 Miles

*Inland*  
 410 17<sup>th</sup> Street, Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 843-0123

**Uinta Basin**  
 UINIA BASIN, UTAH  
 Butcher & Clinch Counties, T6

Scale: 1:25000

RAM TYPE B.O.P.

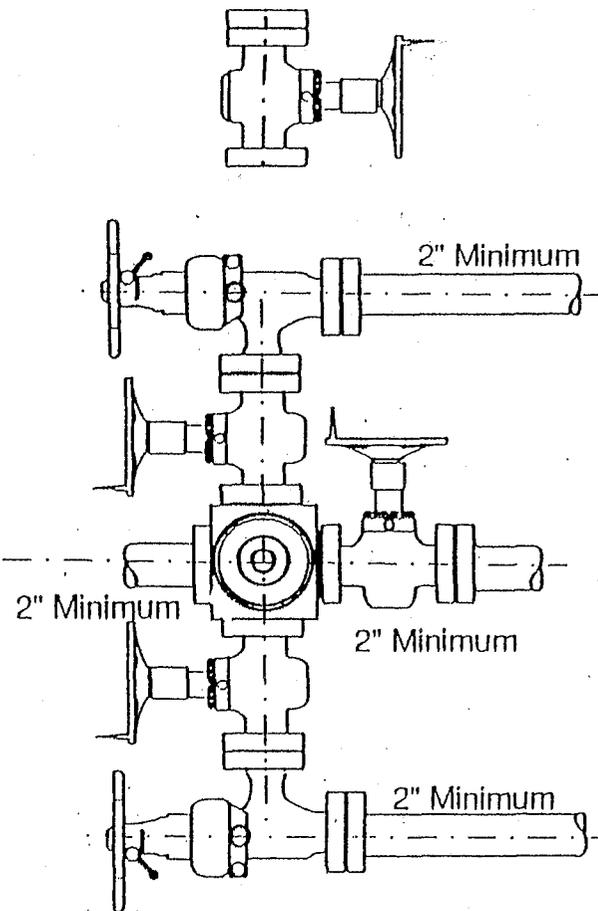
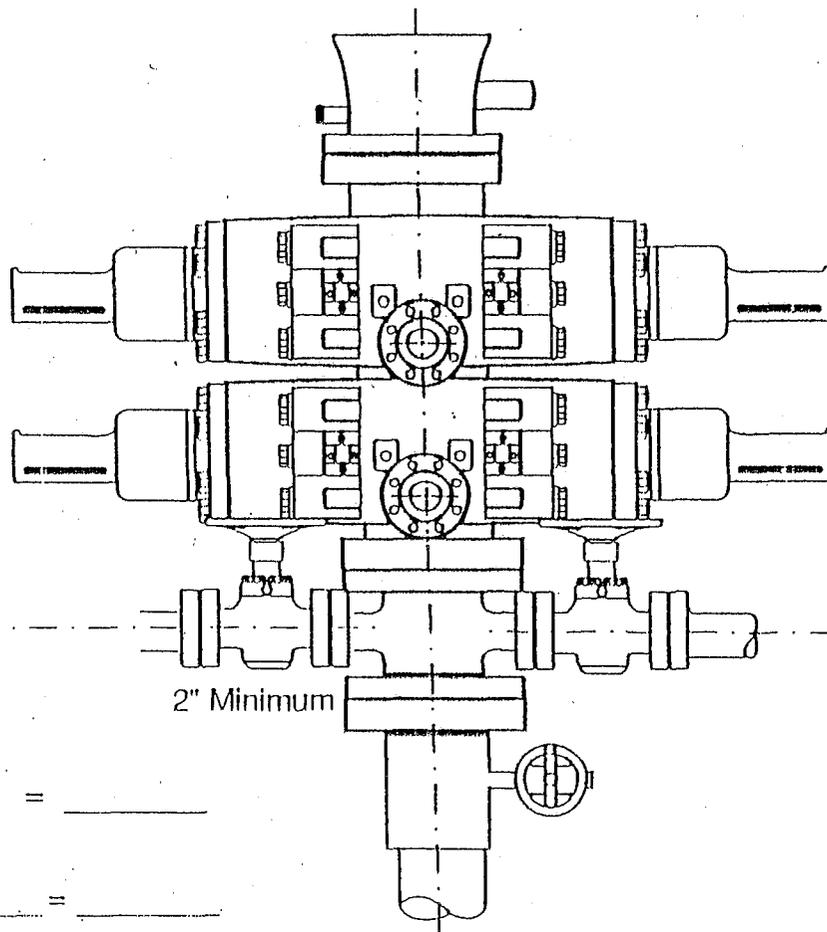
Make:

Size:

Model:

# 2-M SYSTEM

EXHIBIT "C"



GAL TO CLOSE

Annular BOP = \_\_\_\_\_

Ramtype BOP

\_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
increment of 10 gal. would require

\_\_\_\_\_ Gal. (total fluid & nitro volume)

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/25/2001

API NO. ASSIGNED: 43-013-32286
--------------------------------

WELL NAME: WEST POINT 12-8-9-16  
 OPERATOR: INLAND PRODUCTION ( N5160 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 08 090S 160E  
 SURFACE: 2083 FSL 0584 FWL  
 BOTTOM: 2083 FSL 0584 FWL  
 DUCHESNE  
 MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-74390  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )
- 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)

LOCATION AND SITING:

- R649-2-3. Unit WEST POINT (GR)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 231-2 \*Unit & Enh. Fee.  
Eff Date: 5-14-98  
Siting: \*Suspend Gen. Siting
- R649-3-11. Directional Drill

COMMENTS: mon. Butte Field Sol, separate file.

STIPULATIONS: ① FEDERAL APPROVAL



# 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)

June 26, 2001

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2001 Plan of Development West Point Unit  
Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2001 within the West Point Unit, Duchesne County, Utah.

(Proposed PZ Green River)

43-013-32278	West Point 3-17-9-16	Sec. 17, T9S, R16E	0522 FNL 2053 FWL
43-013-32280	West Point 4-17-9-16	Sec. 17, T9S, R16E	0532 FNL 0667 FWL
43-013-32281	West Point 5-17-9-16	Sec. 17, T9S, R16E	1845 FNL 0850 FWL
43-013-32282	West Point 6-8-9-16	Sec. 08, T9S, R16E	2048 FNL 2104 FWL
43-013-32283	West Point 6-17-9-16	Sec. 17, T9S, R16E	1984 FNL 2050 FWL
43-013-32285	West Point 11-8-9-16	Sec. 08, T9S, R16E	1919 FSL 1797 FWL
43-013-32286	West Point 12-8-9-16	Sec. 08, T9S, R16E	2083 FSL 0584 FWL
43-013-32287	West Point 13-8-9-16	Sec. 08, T9S, R16E	0559 FSL 0779 FWL
43-013-32288	West Point 14-8-9-16	Sec. 08, T9S, R16E	0809 FSL 1999 FWL

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

/s/ Michael L. Coulthard

bcc: File - West Point Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:6-26-1



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

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

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

June 26, 2001

Inland Production Company  
Route 3 Box 3630  
Myton, UT 84052

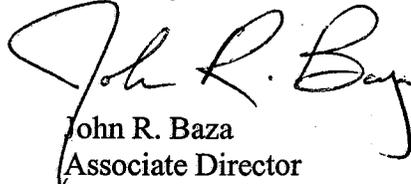
Re: West Point 12-8-9-16 Well, 2083' FSL, 584' FWL, NW SW, Sec. 8, T. 9 South,  
R. 16 East, Duchesne County, Utah

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 43-013-32286.

Sincerely,



John R. Baza  
Associate Director

er

Enclosures

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

Operator: Inland Production Company

Well Name & Number West Point 12-8-9-16

API Number: 43-013-32286

Lease: UTU 74390

Location: NW SW Sec. 8 T. 9 South R. 16 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. UTU-74390	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Inland Production Company			7. UNIT AGREEMENT NAME West Point	
3. ADDRESS OF OPERATOR Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721			8. FARM OR LEASE NAME WELL NO 12-8-9-16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface NW/SW 584' FWL 2083' FSL At proposed Prod. Zone			9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 13.4 miles southwest of Myton, Utah			10. FIELD AND POOL OR WILDCAT Monument Butte	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 2056' f/lse line & 2056' f/unit line		16. NO. OF ACRES IN LEASE 2,037.19	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL. DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approx. 1377'		19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5937.1' GR			22. APPROX. DATE WORK WILL START* 3rd Quarter 2001	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

RECEIVED  
JUN 25 2001  
RECEIVED  
OCT 19 2001  
DIVISION OF  
OIL, GAS AND MINING

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

24. SIGNED M. Harris Coyle TITLE Permit Clerk DATE June 22, 2001

(This space for Federal or State office use)

NOTICE OF APPROVAL

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Application approval 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.  
CONDITIONS OF APPROVAL, IF ANY:  
APPROVED BY [Signature] acting Assistant Field Manager  
Mineral Resources DATE 10/17/01

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: West Point 12-8-9-16

API Number: 43-013-32286

Lease Number: U -74390

Location: NWSW Sec. 08 T. 9S R. 16E

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 1,688$  ft.

SURFACE USE PROGRAM  
Conditions of Approval (COA)

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

shadscale	Atriplex confertifolia	3 lbs/acre
Gardners saltbush	Atriplex gardneri	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre
blue gramma	Boutelous gracilis	3 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

Other Information:

If any of these well locations are producing wells the pump unit motor will be a multicylinder engine or equipped with a "hospital" type muffler.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY

Well Name: WEST POINT 12-8-9-16

Api No. 43-013-32286 LEASE TYPE: FEDERAL

Section 08 Township 09S Range 16E County DUCHESNE

Drilling Contractor STUBBS RIG # 111

SPUDDED:

Date 11/12/2001

Time 8:30 AM

How DRY

Drilling will commence \_\_\_\_\_

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 11/13/2001 Signed: CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
# UTU-74390

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
# West Point

8. Well Name and No.  
# Wp 12-8-9-16

9. API Well No.  
# 43-013-32286

10. Field and Pool, or Exploratory Area  
# Monument Butte

11. County or Parish, State  
# Duchesne, Utah.

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**584' FWL & 2083' FSL NW/SW Sec.8, T9S, R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Spud</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 11/12/01 MIRU Stubbs # 111. Drill 310' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @ 309.78'/KB On 11/12/01 cement with 150 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 3 bbls cement returned to surface. WOC.

**RECEIVED**

NOV 20 2001

DIVISION OF  
OIL, GAS AND MINING

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

Signed Pat Wisener Title Drilling Foreman Date 11/19/2001  
 Pat Wisener

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 309.78

LAST CASING 8 5/8" SET AT 309.78'  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL West Point 12-8-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Stubbs # 111

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		42.62sjt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	299.93
		<b>GUIDE</b> shoe			8rd.	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			301.78
TOTAL LENGTH OF STRING		301.78	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>309.78</b>
TOTAL		299.93	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		299.93	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		SPUD	11/12/2001	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		8:30am		Bbls CMT CIRC TO SURFACE			3
BEGIN CIRC				RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT				DID BACK PRES. VALVE HOLD ?			N/A
BEGIN DSPL. CMT				BUMPED PLUG TO _____			370 PSI
PLUG DOWN		Cemented	11/12/2001				
CEMENT USED		CEMENT COMPANY- Dow Shlumberger					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	150	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.15 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**WEST POINT**

8. Well Name and No.  
**WEST POINT 12-8-9-16**

9. API Well No.  
**43-013-32286**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**584 FWL 2083 FSL      NW/SW Section 8, T09S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Weekly Status report</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Weekly Status report for the period of 11/19/01 thru 11/25/01.  
 On 11/21/01 MIRU Union # 14. Set equipment. Nipple up BOP's. Test BOP's, Choke manifold, Kelly, TIW. To 2,000 psi. Test 85/8" csgn to 1,500 psi. State office of DOGM, & Vernal office of the BLM were notified of the test. PU drill string & BHA. Tag cement top @ 215'. Drill out cement & shoe. Drill 77/8" hole with air mist to a depth of 3998'.

**RECEIVED**

NOV 27 2001

DIVISION OF  
OIL, GAS AND MINING

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

Signed Ray Herrera Title Drilling Foreman Date 11/26/01  
 Ray Herrera

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes 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.

**DESIGNATION OF AGENT OR OPERATOR**

The undersigned is, on record, the holder of oil and gas lease

**LEASE NAME:** Federal 23-29 #1

**LEASE NUMBER:** UTU-76262

and hereby designates

**NAME:** Pannonian Gasco Energy

**ADDRESS:** 14 Inverness Drive East Suite H-236

city Englewood state CO zip 80112

as his (check one) agent  / operator , with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

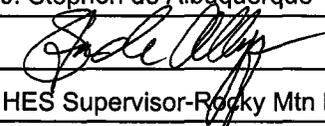
API No.: 043-047-34111  
Lease Name: Federal 23-29 #1  
Location: NE SW Sec.29, T9S, R19E  
Footages: 2099' FSL 2121' FWL  
Uintah County, Utah

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

**Effective Date of Designation:** 01/18/2002

**BY:** (Name) J. Stephen de Albuquerque  
(Signature)   
(Title) HES Supervisor-Rocky Mtn Region  
(Phone) (303) 643-3942

**OF:** (Company) Phillips Petroleum Company  
(Address) 9780 Mt. Pyramid Court, Suite 200  
city Englewood  
state CO zip 80112

N5160

OPERATOR ACCT. NO. 45466

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

STATE OF UTAH  
DEPARTMENT OF OIL, GAS AND MINING  
WELL ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013-32282	West Point #6-8-9-16	SE/NW	8	9S	16E	Duchesne	November 10, 2001	11-26-01 <del>11-10-01</del>

WELL 1 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013-32286	West Point #12-8-9-16	NW/SW	8	9S	16E	Duchesne	November 12, 2001	11-26-01 <del>11-12-01</del>

WELL 2 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013-32260	West Point #4-17-9-16	NW/NW	17	9S	16E	Duchesne	November 13, 2001	11-26-01 <del>11-13-01</del>

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013- <del>32278</del> 32278	West Point #3-17-9-16	NE/NW	17	9S	16E	Duchesne	November 14, 2001	11-26-01 <del>11-14-01</del>

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013- <del>32287</del> 32287	West Point #13-5-9-16	SW/SW	5	9S	16E	Duchesne	November 19, 2001	11-26-01 <del>11-19-01</del>

WELL 5 COMMENTS:

- ACTION CODES (See instructions on back of form)
- A - Basic completion for a new well (single well only)
  - B - Additional completion (multiple wells)
  - C - Plug/abandon for well (single well only)
  - D - Plug/abandon for multiple wells (multiple wells)
  - E - Completion for a well (multiple wells)

*Kathie S. Jones*  
Kathie S. Jones  
November 20, 2001

NOTE: Use of this form requires that the Well Action Data be prepared

NOV-26-01 MON 02:58 PM INLAND PRODUCTION CO FAX NO. 435 646 3031

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**WEST POINT**

8. Well Name and No.  
**WEST POINT 12-8-9-16**

9. API Well No.  
**43-013-32286**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**584 FWL 2083 FSL      NW/SW Section 8, T09S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Status report</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Status report for time period 12/10/01 through 12/16/01.

Subject well had completion procedures initiated (without service rig) on 12/12/01. A total of four Green River intervals were perforated and hydraulically fracture treated W/ 20/40 mesh sand. Fracs were flowed back through chokes. Well awaits service rig for remainder of completion.

**RECEIVED**

DEC 18 2001

DIVISION OF  
OIL, GAS AND MINING

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

Signed *Gary Dietz* Title Completion Foreman Date 12/17/01  
Gary Dietz

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**WEST POINT**

8. Well Name and No.

**WEST POINT 12-8-9-16**

9. API Well No.

**43-013-32286**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

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

**584 FWL 2083 FSL NW/SW Section 8, T09S R16E**

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

**TYPE OF SUBMISSION**

<input type="checkbox"/> Notice of Intent
<input checked="" type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

**TYPE OF ACTION**

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other <b>Status report</b>	<input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Status report for time period 12/17/01 through 12/23/01.

Subject well had completion procedures initiated (without service rig) on 12/12/01. A total of four Green River intervals were perforated and hydraulically fracture treated W/ 20/40 mesh sand. Fracs were flowed back through chokes. A service rig was moved on well on 12/19/01. Composite bridge plugs were drilled out & well was cleaned out to PBTD. Zones are being swab tested for cleanup at present time.

**RECEIVED**

**DEC 28 2001**

**DIVISION OF  
OIL, GAS AND MINING**

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

Signed

Title

**Completion Foreman**

Date

**12/24/01**

Gary Dietz

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**WEST POINT**

8. Well Name and No.  
**WEST POINT 12-8-9-16**

9. API Well No.  
**43-013-32286**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT**

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**584 FWL 2083 FSL      NW/SW Section 8, T09S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Status report</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Status report for time period 12/17/01 through 12/23/01.

Subject well had completion procedures initiated (without service rig) on 12/12/01. A total of four Green River intervals were perforated and hydraulically fracture treated W/ 20/40 mesh sand. Fracs were flowed back through chokes. A service rig was moved on well on 12/19/01. Composite bridge plugs were drilled out & well was cleaned out to PBTD. Zones were swab tested for cleanup. Production equipment was ran in well. Well began producing via rod pump on 12/27/01.

**RECEIVED**

JAN 03 2002

DIVISION OF  
OIL, GAS AND MINING

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

Signed *Gary Dietz* Title Completion Foreman Date 1/2/02  
Gary Dietz

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM



January 10, 2002

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daneils  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daneils

West Point #6-8-9-16 (43-013-32282)  
West Point #12-8-9-16 (43-013-32286)  
Duchesne County, UT

Dear Ms. Carol Daneils

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Dave Jull of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 893-0102 ext. 1449

Sincerely,

Brian Harris  
Engineering Tech

Enclosures

cc: Bureau of Land Management  
Vernal District Office, Division of Minerals  
Attn: Edwin I. Forsman  
170 South 500 East  
Vernal, Utah 84078

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver

**RECEIVED**

JAN 14 2002

DIVISION OF  
OIL, GAS AND MINING

(See instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74390

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

West Point Unit

8. FARM OR LEASE NAME, WELL NO.

WP #12-8-9-16

2. NAME OF OPERATOR

INLAND RESOURCES INC.

9. WELL NO.

43-013-32286

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 2083' FSL & 584' FWL (NWSW) Sect. 8, Twp. 9S, Rng. 16E

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

Sect. 8, Twp. 9S, Rng. 16E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-32286

DATE ISSUED

10/17/01

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

11/12/01

16. DATE T.D. REACHED

11/28/01

17. DATE COMPL. (Ready to prod.)

12/27/01

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5937' GR

19. ELEV. CASINGHEAD

5947' KB

20. TOTAL DEPTH, MD & TVD

5974' KB

21. PLUG BACK T.D., MD & TVD

5940' KB

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

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

Green River 4251' - 5766'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGI/SP/CDL/GR/Cal -12-18-01

27. WAS WELL CORED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	309.78'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5966.5'	7-7/8"	275 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @	TA @
	5823' KB	5450' KB

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP sand) 5762-66', 5708-20', 5673-78'	.038"	4/84	5673'-5766'	Frac w/ 89,594# 20/40 sand in 632 bbl. fluid.
(LODC sand) 5333-50', 5321-25', 5211-15', 5196'-5200'	.038"	4/116	5196'-5350'	Frac w/ 109,000# 20/40 sand in 747 bbl. fluid.
(D/B sand) 5020'-24', 4799-4809', 4748-52'	.038"	4/72	4748'-5024'	Frac w/ 74,200# 20/40 sand in 547 bbl. fluid.
(GB sand) 4332-48', 4291-98', 4267-73', 4251-54'	.038"	4/128	4251'-4348'	Frac w/ 142,186# 20/40 sand in 946 bbl. fluid.

33.\* PRODUCTION

DATE FIRST PRODUCTION 12/27/01	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC Pump			WELL STATUS (Producing or shut-in) PRODUCING			
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
			----->	82.4	43.8	37.3	532
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Brian Harris  
Brian Harris

TITLE Engineering Technician

DATE 1/10/02

BDH

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

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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		TRUE VERT. DEPTH
				NAME	MEAS. DEPTH	
			Well Name West Point #12-8-9-16			
				Garden Gulch Mkr	3522'	
				Garden Gulch 2	4096'	
				Point 3 Mkr	4350'	
				X Mkr	4618'	
				Y-Mkr	4652'	
				Douglas Creek Mkr	4766'	
				BiCarbonate Mkr	4975'	
				B Limestone Mkr	5107'	
				Castle Peak	5636'	
				Basal Carbonate		
				Total Depth (LOGGERS)	5974'	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

JAN 20 2005

**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.

Lease Serial No.  
UTU74390

6. If Indian, Allottee or Tribe Name.  
OIL, GAS & MINING

7. If Unit or CA/Agreement, Name and/or No.  
WEST POINT UNIT

8. Well Name and No.  
WEST POINT 12-8-9-16

9. API Well No.  
4301332286

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Unassigned, 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)  
2083 FSL 584 FWL  
NW/SW Section 8 T9S R16E

**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	Gas blow down line
	<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 recompleate 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 recompleation 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.)

Liquid blow down line exists from the gas sales line to the water tank on the subject well. The line is from a point downstream of the gas meter to the water dump line on the treatrer. Drip liquid approximately 98% water is drained from the sales line to the water tank through this line. To ensure produced gas is measured, Newfield intends to seal the isolation valve on the water tank in the open position. A position change with the isolation valve will be documented in the wells seal records.

COPY SENT TO OPERATOR  
Date: 3-3-05  
Initials: CHD

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed) Brent Cook

Signature *Brent Cook*

Title Production Foreman

Date 1/18/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

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.

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.

Accepted by the Utah Division of Oil, Gas and Mining

Date 3/1/05

Federal Approval Of This Action Is Necessary

(Instructions on reverse)

By: *[Signature]*



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

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

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

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

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

- 1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
- 3. Bond information entered in RBDMS on: 2/28/2005
- 4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
- 5. Injection Projects to new operator in RBDMS on: 2/28/2005
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

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

1. Federal well(s) covered by Bond Number: UT 0056

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

1. Indian well(s) covered by Bond Number: 61BSBDH2912

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>1. TYPE OF WELL</b> Oil Well	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>8. WELL NAME and NUMBER:</b> WEST POINT 12-8-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2083 FSL 0584 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 08 Township: 09.0S Range: 16.0E Meridian: S	<b>9. API NUMBER:</b> 43013322860000
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> 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: 6/26/2014	<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 06/24/2014. On 06/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/26/2014 the casing was pressured up to 1726 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 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: \_\_\_\_\_  
By: *[Signature]*

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/30/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 6/26/14 Time 9:00 am pm

Test Conducted by: R. By Boyle

Others Present: \_\_\_\_\_

Well: <u>West Point 12-8-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>West Point 12-8-9-16</u> <u>NW/SE Sec. 8, T9S, R16E</u> <u>Duchowm county Utah</u>	API No: <u>4301332286</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1726</u>	psig
5	<u>1727</u>	psig
10	<u>1726</u>	psig
15	<u>1726</u>	psig
20	<u>1726</u>	psig
25	<u>1727</u>	psig
30 min	<u>1726</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 100 psig

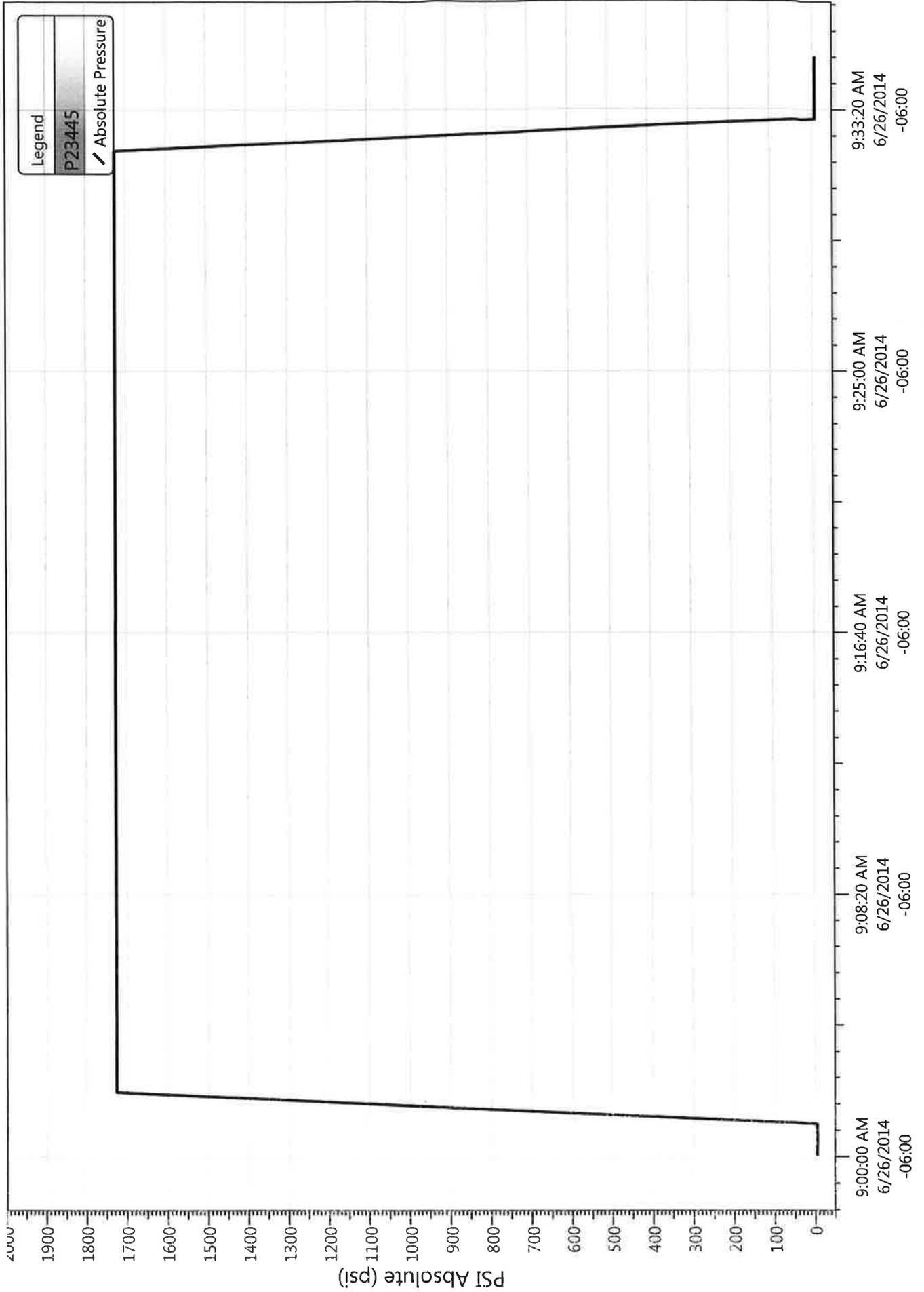
Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: R. Boyle

# West point 12-8-9-16 (Conversion)

6/26/2014 8:58:11 AM





Well Name: W Point 12-8-9-16

### Job Detail Summary Report

Primary Job Type Conversion	Job Start Date 6/20/2014	Job End Date 6/26/2014
--------------------------------	-----------------------------	---------------------------

Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
6/20/2014	6/20/2014	MIRU
Start Time	End Time	Comment
13:00	14:00	ROADED RIG TO LOCATION
Start Time	End Time	Comment
14:00	15:00	FLUSHED CSG W/ 60BBL@250DEG, RU RIG
Start Time	End Time	Comment
15:00	16:00	UNSEATED PUMP, LD 2-RODS, PU POLISH ROD, FLUSHED TBG W/ 40 BBL@250 DEG, SOFT SEATED PUMP PT TBG TO 3K PSI, GOOD TEST
Start Time	End Time	Comment
16:00	17:00	LD 80-RODS ON TRAILER, SIWFN
Start Time	End Time	Comment
17:00	18:30	CREW TRAVEL
Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
6/23/2014	6/23/2014	LD RODS, TOOH BREAKING RE-DOPING
Start Time	End Time	Comment
05:30	07:00	LD RODS, TOOH BREAKING RE-DOPING
Start Time	End Time	Comment
07:00	07:15	JSA SAFETY MEETING
Start Time	End Time	Comment
07:15	10:00	FLUSHED TBG W/ 40 BBL@250DEG, LD REST OF ROD STRING ON TRAILER FLUSHING TBG WHEN NEEDED FOR INSPECTION
Start Time	End Time	Comment
10:00	11:00	ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR
Start Time	End Time	Comment
11:00	15:00	TOOH 130-JTS OF TBG, BREAKING AND RE-DOPING EACH CONNECTION W/ LIQUID NO-RING GREEN DOPE, LD REST OF TBG STRING/BHA ON TRAILER
Start Time	End Time	Comment
15:00	17:00	TIH W/ 1-2 3/8" XN NIPPLE, 1- 2 3/8"X4' PUP SUB, 1-2 3/8"XO 2 7/8" SWEDGE, 1-WEATHERFORD PKR, 1-ON/OFF TOOL, 1-2 7/8" SEAT NIPPLE, 130-JTS OF TBG
Start Time	End Time	Comment
17:00	18:00	PUMPED 10 BBL, DROPPED SV, CHASED TO BOTTOM W/ 20 BBL, PT TBG TO 3K PSI HELD 100% FOR 30 MIN, GOOD TEST, RIH W/ SL RETRIEVED SV, POOH W/ SL/SV
Start Time	End Time	Comment
18:00	19:00	RU RIG FLOOR, ND BOPS, NU 3K INJECTION WH, SIWFN
Start Time	End Time	Comment
19:00	20:30	CREW TRAVEL
Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
6/24/2014	6/24/2014	Good MIT
Start Time	End Time	Comment
05:30	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	JSA SAFETY MEETING
Start Time	End Time	Comment
07:15	08:00	CIRCULATED 60 BBL OF PKR FLUID
Start Time	End Time	Comment
08:00	09:00	SET PKR W/CE@4212.39' AND 15K# TENSION, LOADED CSG W/ PKR FLUID
Start Time	End Time	Comment
09:00	10:00	PRESSURED UP TO 1400 PSI HELD 100% FOR 30 MIN, GOOD TEST, CALLED FOR MIT, MIT PASSED



# Job Detail Summary Report

Well Name: W Point 12-8-9-16

Start Time	10:00	End Time	11:00	Comment
Report Start Date	6/26/2014	Report End Date	6/26/2014	RD RIG. MOSL, PRE-TRIP INSPECTION
Start Time	09:00	End Time	09:30	Comment
Report Start Date	6/26/2014	Report End Date	6/26/2014	On 06/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/26/2014 the casing was pressured up to 1726 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test.

**NEWFIELD**

**Schematic**

**Well Name: W Point 12-8-9-16**

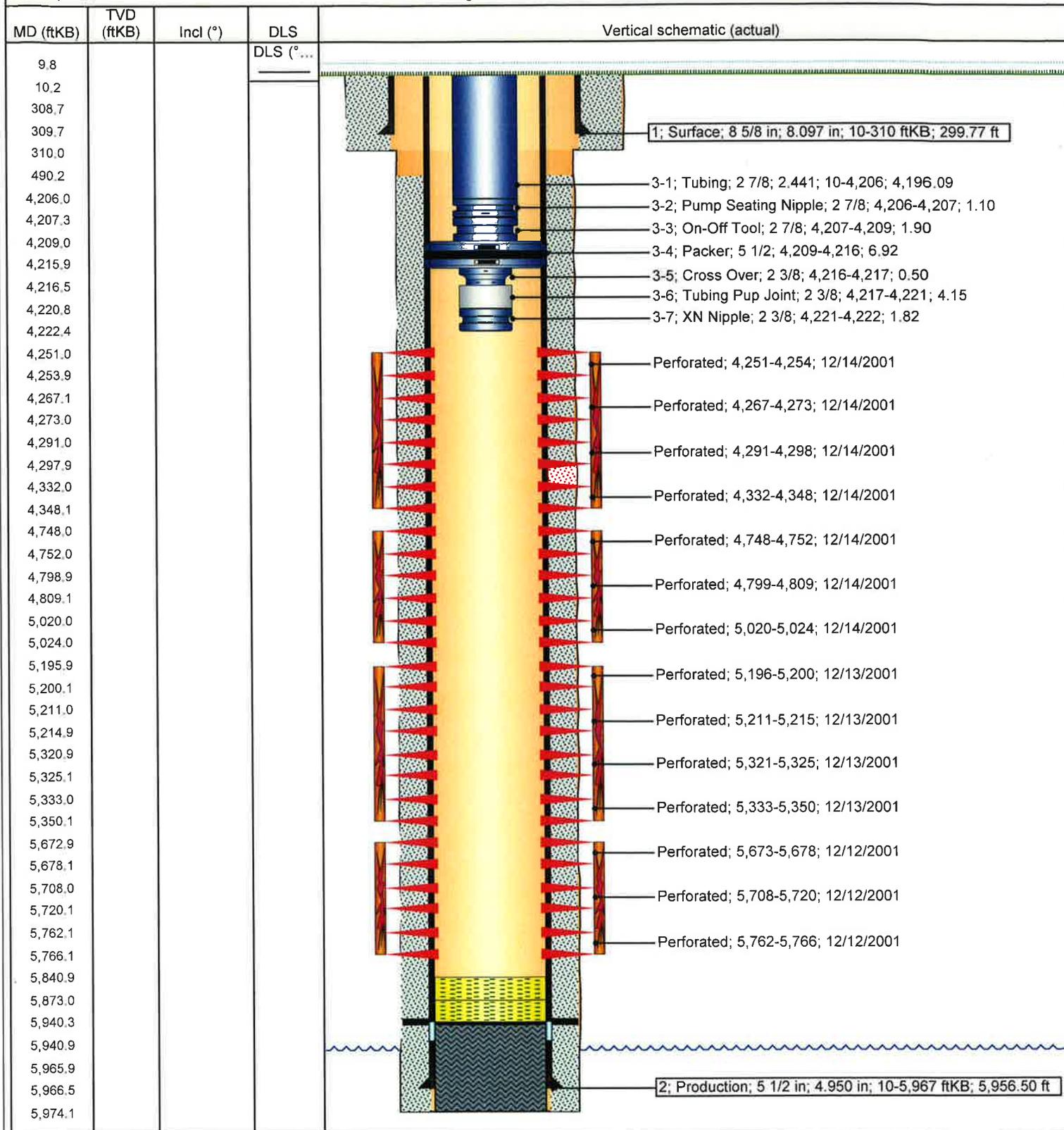
Surface Legal Location 08-9S-16E			API/UWI 43013322860000	Well RC 500151199	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 11/12/2001	Rig Release Date 11/29/2001	On Production Date 12/27/2001	Original KB Elevation (ft) 5,947	Ground Elevation (ft) 5,937	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,940.3	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 6/20/2014	Job End Date 6/26/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

**TD: 5,974.0**

Vertical - Original Hole, 6/27/2014 8:36:57 AM



**NEWFIELD****Newfield Wellbore Diagram Data  
W Point 12-8-9-16**

Surface Legal Location 08-9S-16E		API/UWI 43013322860000		Lease	
County DUCHESNE		State/Province Utah		Basin	
Well Start Date 11/12/2001		Spud Date 11/12/2001		Final Rig Release Date 11/29/2001	
Original KB Elevation (ft) 5,947		Ground Elevation (ft) 5,937		Total Depth (ftKB) 5,974.0	
		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,940.3	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	11/12/2001	8 5/8	8.097	24.00	J-55	310
Production	11/28/2001	5 1/2	4.950	15.50	J-55	5,967

**Cement****String: Surface, 310ftKB 11/12/2001**

Cementing Company Dowell Schlumberger		Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 310.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 2% CaCL2 + 1/4#/sk Cello-Flake		Fluid Type Lead	Amount (sacks) 150	Class G	Estimated Top (ftKB) 10.0

**String: Production, 5,967ftKB 11/29/2001**

Cementing Company BJ Services Company		Top Depth (ftKB) 490.0	Bottom Depth (ftKB) 5,974.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description W/ .5%SM+ 10%gel+ 5#/sk BA90+ 2#/sk/kolseal+ 3% KCL+ 1/4#/sk C.F+05#/sk staticfree		Fluid Type Lead	Amount (sacks) 275	Class PL II	Estimated Top (ftKB) 490.0
Fluid Description W/ 3% KCL, 1/4#/sk C.F., 2% gel, .3% SMS,.1R3 .05#/sk staticfree		Fluid Type Tail	Amount (sacks) 450	Class 50:50 Poz	Estimated Top (ftKB) 3,000.0

**Tubing Strings**

Tubing Description		Run Date			Set Depth (ftKB)			
Tubing		6/23/2014			4,222.5			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	130	2 7/8	2.441	6.50	J-55	4,196.09	10.0	4,206.1
Pump Seating Nipple	1	2 7/8				1.10	4,206.1	4,207.2
On-Off Tool	1	2 7/8				1.90	4,207.2	4,209.1
Packer	1	5 1/2				6.92	4,209.1	4,216.0
Cross Over	1	2 3/8				0.50	4,216.0	4,216.5
Tubing Pup Joint	1	2 3/8			J-55	4.15	4,216.5	4,220.7
XN Nipple	1	2 3/8				1.82	4,220.7	4,222.5

**Rod Strings**

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

**Other in Hole**

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,873	5,940	8/18/2010	
Fill	5,841	5,873	8/22/2013	

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	GB4, Original Hole	4,251	4,254	4	90	0.038	12/14/2001
4	GB4, Original Hole	4,267	4,273	4	90	0.038	12/14/2001
4	GB5, Original Hole	4,291	4,298	4	90	0.038	12/14/2001
4	GB6, Original Hole	4,332	4,348	4	90	0.038	12/14/2001
3	DS3, Original Hole	4,748	4,752	4	90	0.038	12/14/2001
3	D1, Original Hole	4,799	4,809	4	90	0.038	12/14/2001
3	B1, Original Hole	5,020	5,024	4	90	0.038	12/14/2001
2	A1, Original Hole	5,196	5,200	4	90	0.038	12/13/2001
2	A3, Original Hole	5,211	5,215	4	90	0.038	12/13/2001
2	LODC, Original Hole	5,321	5,325	4	90	0.038	12/13/2001
2	LODC, Original Hole	5,333	5,350	4	90	0.038	12/13/2001
1	CP.5, Original Hole	5,673	5,678	4	90	0.038	12/12/2001
1	CP2, Original Hole	5,708	5,720	4	90	0.038	12/12/2001
1	CP3, Original Hole	5,762	5,766	4	90	0.038	12/12/2001

**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	2,060	0.79	30.1	2,499			

# NEWFIELD

## Newfield Wellbore Diagram Data W Point 12-8-9-16



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)
2	2,043	0.76	30.5	3,025			
3	2,109	0.86	31.1	2,450			
4	2,230	0.95	32.7	3,074			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 89594 lb
2		Proppant White Sand 109000 lb
3		Proppant White Sand 74200 lb
4		Proppant White Sand 142186 lb

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> WEST POINT 12-8-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013322860000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2083 FSL 0584 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 08 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> 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: 9/26/2014	<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 type="text"/>

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 8:30 AM on  
09/26/2014.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 30, 2014**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/29/2014	



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

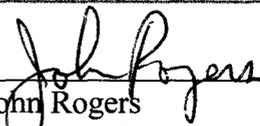
Cause No. UIC-395

**Operator:** Newfield Production Company  
**Well:** West Point 12-8-9-16  
**Location:** Section 8, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32286  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on December 20, 2012.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,096' – 5,940')
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

9/24/2014

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
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

GREGORY S. BELL  
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

December 20, 2012

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

Subject: Greater Monument Butte Unit Well: West Point 12-8-9-16, Section 8, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32286

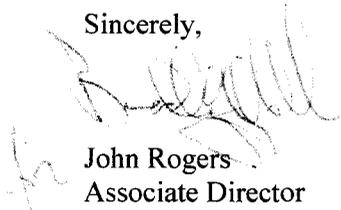
Gentlemen:

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 4,096 feet in the West Point 12-8-9-16 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,

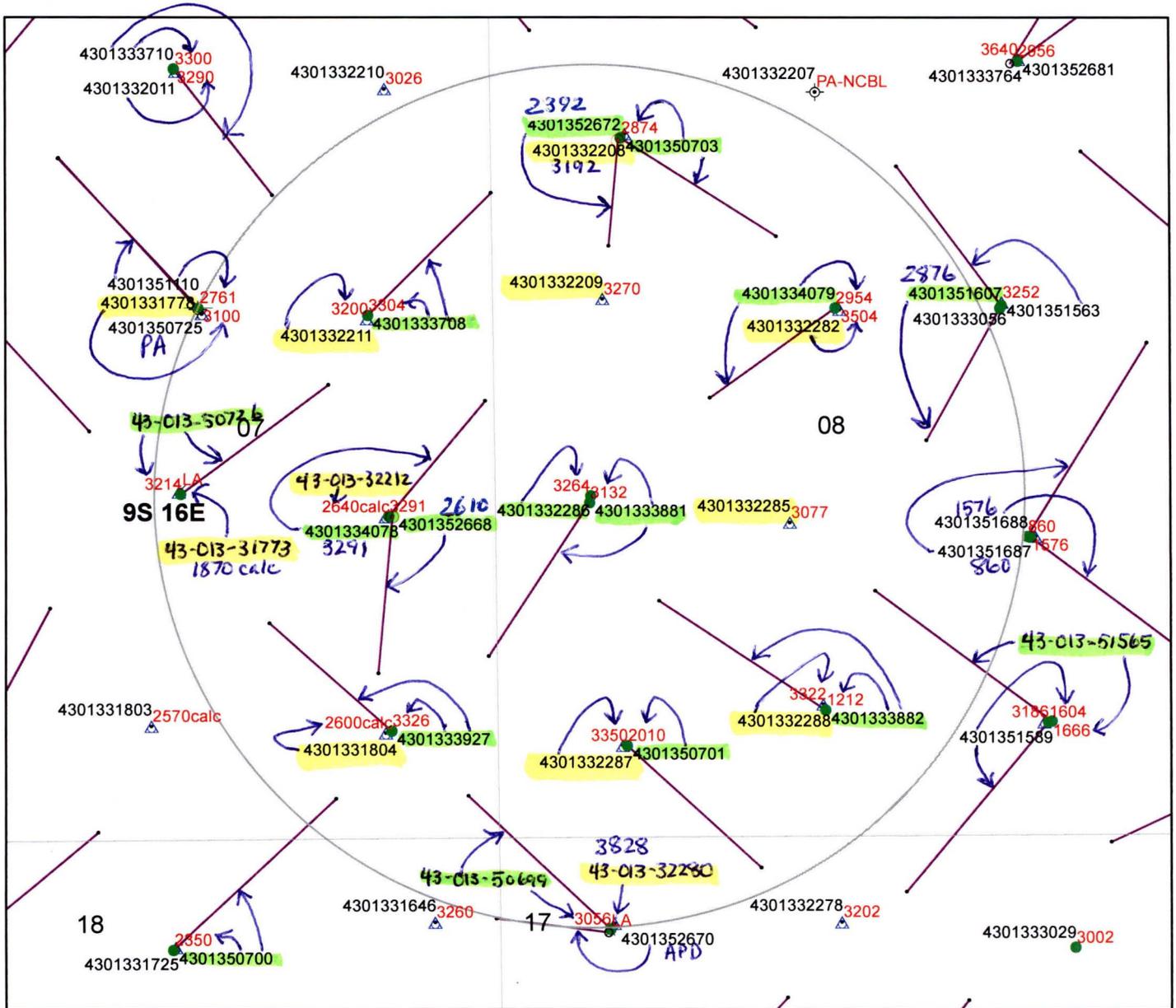
  
John Rogers  
Associate Director

JR/MLR/js

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

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





**Legend**

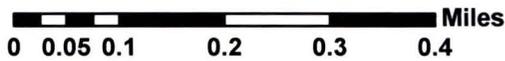
**Oil & Gas Well Type**

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- <sub>GS</sub> 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 *in ACR*
- ▲ 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 *in ACR*
- WSW-Water Supply Well

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

**Cement Bond Tops  
West Point 12-8-9-16  
API #43-013-32286  
UIC-395.4**

*(updated 9/17/2014)*



1870 calc = approximate cement top  
calculated from well completion report

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

**Applicant:** Newfield Production Company      **Well:** West Point 12-8-9-16

**Location:** 8/9S/16E      **API:** 43-013-32286

**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. The Federal Government is the mineral owner 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 310 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,967 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,264 feet. A 2 7/8 inch tubing with a packer will be set at 4,201 feet. Higher perforations will 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 (9/17/2014), based on surface locations, there are 11 producing wells, 11 injection wells, 1 shut-in well, and 1 P/A well in the AOR. The shut-in well is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there are 4 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**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 4,096 feet and 5,940 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 12-8-9-16 well is 0.83 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,009 psig. The requested maximum pressure is 2,009 psig. We intend to permit this well at a maximum pressure of 2,000 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.

**West Point 12-8-9-16**  
**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: 10/2/2012 (revised 9/17/2014)

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140

*Uintah Basin*  
**Standard**  
 www.ubstandard.com

*VERNAL*  
**Express**  
 www.vernal.com

RECEIVED  
 JUL 09 2012  
 DIV. OF OIL, GAS & MINING  
 Advertiser No.

Invoice Number	32047	Invoice Date	6/26/2012
Invoice Amount	\$176.25	Due Date	7/26/2012
Advertiser No.	2080		

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment

**INVOICE**

Uintah Basin Standard		DIVISION OF OIL GAS & MINING			Invoice No. 32047	6/26/2012
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
6/26/2012	16065 UBS	UBS Legal Notice: Not of Agcy Actn: Cause No. UIC-395 Pub. June 26, 2012				\$176.25
					<b>Sub Total:</b>	<b>\$176.25</b>
					<b>Total Transactions: 1</b>	<b>Total: \$176.25</b>

**SUMMARY**      Advertiser No.    2080                      Invoice No.            32047

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, 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 17<sup>th</sup> 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:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East  
API 43-013-31933

Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33056

Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33058

West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32286

Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33060

Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33050

Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15789

Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33028

Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33452

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 20<sup>th</sup> day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**WEST POINT U 12-5-9-16, FEDERAL 7-8-9-16, FEDERAL 9-8-9-16, WEST POINT 12-8-9-16,  
FEDERAL 15-8-9-16, FEDERAL 5-9-9-16, FEDERAL 11A-9-9-16, GOATES FED 1,  
FEDERAL 13-13-9-16, FEDERAL 1-17-9-16, FEDERAL 15-17-9-16, FEDERAL 3-19-9-16,  
FEDERAL 5-22-9-16, FEDERAL 16-22-9-16, FEDERAL 5-23-9-16,  
FEDERAL 9-23, FEDERAL 1-30-9-16**

**Cause No. UIC-395**

Publication Notices were sent to the following:

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

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

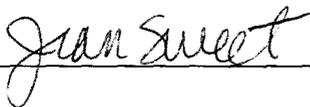
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

June 21, 2012

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

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](mailto: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 - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 6/22/2012 8:05 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

---

On 6/21/2012 5:07 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](mailto: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 Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Received. Thank you. It will run June 26.  
Cindy



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

June 21, 2012

VIA E-MAIL [naclegal@mediaoneutah.com](mailto: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-395

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](mailto: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

**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 6/22/2012 9:13 AM  
**Subject:** Legal Notice - UIC 395  
**Attachments:** OrderConf.pdf

AD# 802910  
Run Trib/DNews - 6/26  
Cost \$448.52  
Thank you  
Mark

## Order Confirmation for Ad #0000802910-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	earlenerussell@utah.gov	Jean	mfultz

<b>Total Amount</b>	<b>\$448.52</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$448.52</b>	<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
		0	0	1

**Payment Method** PO Number UIC 395

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 88 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	

<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	

<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	06/26/2012	

## Order Confirmation for Ad #0000802910-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000802910-01

## Ad Content Proof 135%

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, 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.

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API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16

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Coates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East

API 43-013-15789

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API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33028

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East

API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16

East

API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16

East

API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16

East

API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16

East

API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East

API 43-013-33452

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

Selected zones in the Greer 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 20th day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

Brad Hill  
Permitting Manager  
802910

UPAXLP

06/22/2012 9:06:58AM



June 7, 2012

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

RECEIVED

JUN 12 2012

DIV. OF OIL, GAS & MINING

RE: Permit Application for Water Injection Well  
West Point #12-8-9-16  
Monument Butte Field, Lease #UTU-74390  
Section 8-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the West Point #12-8-9-16 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,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long, sweeping underline that extends to the right.

Eric Sundberg  
Regulatory Lead

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**WEST POINT #12-8-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74390**  
**JUNE 7, 2012**

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# West Point #12-8-9-16

Spud Date: 11/12/2001  
 Put on Production: 12/27/2001  
 GL: 5937' KB: 5947'

Initial Production: 82 BOPD,  
 43 MCFD, 37 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

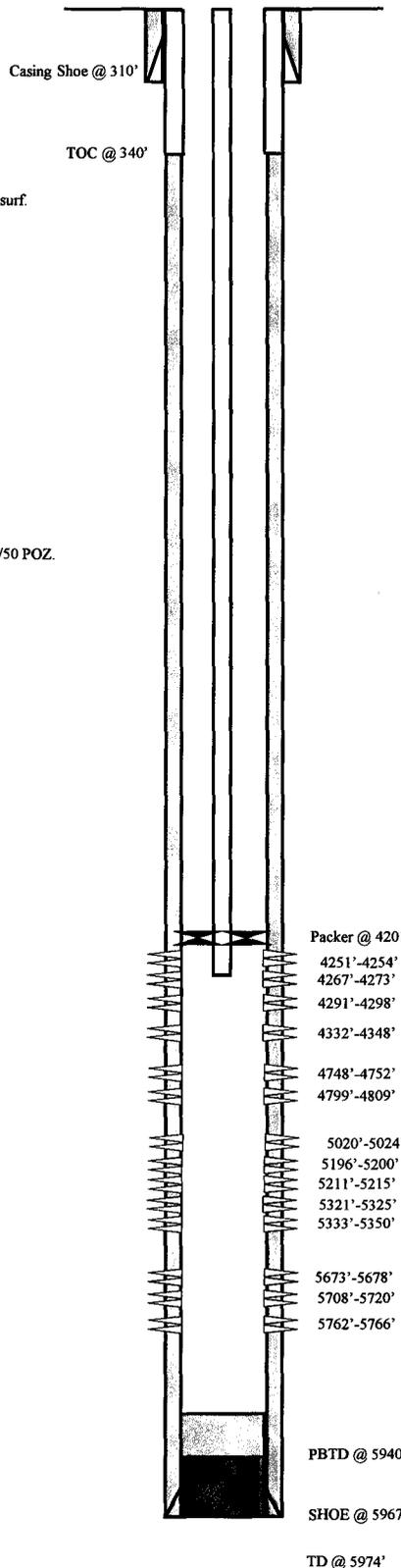
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.78')  
 DEPTH LANDED: 309.78'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est. 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5969')  
 DEPTH LANDED: 5966.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 340'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 175 jts (5647.91')  
 TUBING ANCHOR: 5450.55'  
 NO. OF JOINTS: 3 jts (96.70')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5755.71'  
 NO. OF JOINTS: 2 jts (64.55')  
 TOTAL STRING LENGTH: EOT @ 5823.37'



### FRAC JOB

12/13/01	5673'-5766'	<b>Frac CP sand as follows:</b> 89,594# 20/40 sand in 632 bbls YF-125 fluid. Treated @ avg press of 1719 psi w/avg rate of 27.5 BPM. ISIP 2060 psi. Calc. flush: 5673 gal., Act. flush: 5596 gal.
12/13/01	5196'-5350'	<b>Frac LODC sand as follows:</b> 109,000# 20/40 sand in 747 bbls YF-125 fluid. Treated @ avg press of 1827 psi w/avg rate of 28.7 BPM. ISIP 2043 psi. Calc. flush: 5196 gal., Act. flush: 5095 gal. Flow 8.5 hrs. then died.
12/14/01	4748'-5024'	<b>Frac D/B sand as follows:</b> 74,200# 20/40 sand in 547 bbls YF-125 fluid. Treated @ avg press of 1761 psi w/avg rate of 26.9 BPM. ISIP 2109 psi. Calc. flush: 4748 gal., Act. flush: 4683 gal.
12/14/01	4251'-4348'	<b>Frac GB sand as follows:</b> 142,186# 20/40 sand in 946 bbls YF-125 fluid. Treated @ avg press of 1815 psi w/avg rate of 28.6 BPM. ISIP 2230 psi. Calc. flush: 4251 gal., Act. flush: 4171 gal. Flow 9 hrs. then died.
3/6/03		Stuck pump. Update rod details.
09/01/05		Pump Change. Detail rod and tubing Updated.
8-8-08		Parted rods. Updated rod & tubing details.

### PERFORATION RECORD

12/12/01	5762'-5766'	4 JSPF	16 holes
12/12/01	5708'-5820'	4 JSPF	48 holes
12/12/01	5673'-5678'	4 JSPF	20 holes
12/13/01	5333'-5350'	4 JSPF	68 holes
12/13/01	5321'-5325'	4 JSPF	16 holes
12/13/01	5211'-5215'	4 JSPF	16 holes
12/13/01	5196'-5200'	4 JSPF	16 holes
12/14/01	5020'-5024'	4 JSPF	16 holes
12/14/01	4799'-4809'	4 JSPF	40 holes
12/14/01	4748'-4752'	4 JSPF	16 holes
12/14/01	4332'-4348'	4 JSPF	64 holes
12/14/01	4291'-4298'	4 JSPF	28 holes
12/14/01	4267'-4273'	4 JSPF	24 holes
12/14/01	4251'-4254'	4 JSPF	12 holes

**NEWFIELD**

---

West Point Unit #12-8-9-16  
 2083' FSL & 584' FWL  
 NWSW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32286; Lease #UTU-74390

## **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 17<sup>th</sup> 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 West Point #12-8-9-16 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 West Point #12-8-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4096' - 5940'). 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 3769' and the TD is at 5974'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the West Point #12-8-9-16 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-74390) 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 310' KB, and 5-1/2", 15.5# casing run from surface to 5967' 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.

**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 2009 psig.

- 2.8 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 West Point #12-8-9-16, for existing perforations (4251' - 5766') calculates at 0.83 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 2009 psig. We may add additional perforations between 3769' and 5974'. See Attachments G and G-1.

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

In the West Point #12-8-9-16, the proposed injection zone (4096' - 5940') is in the Garden Gulch to the Castle Peak 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.

- 2.10 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-21.

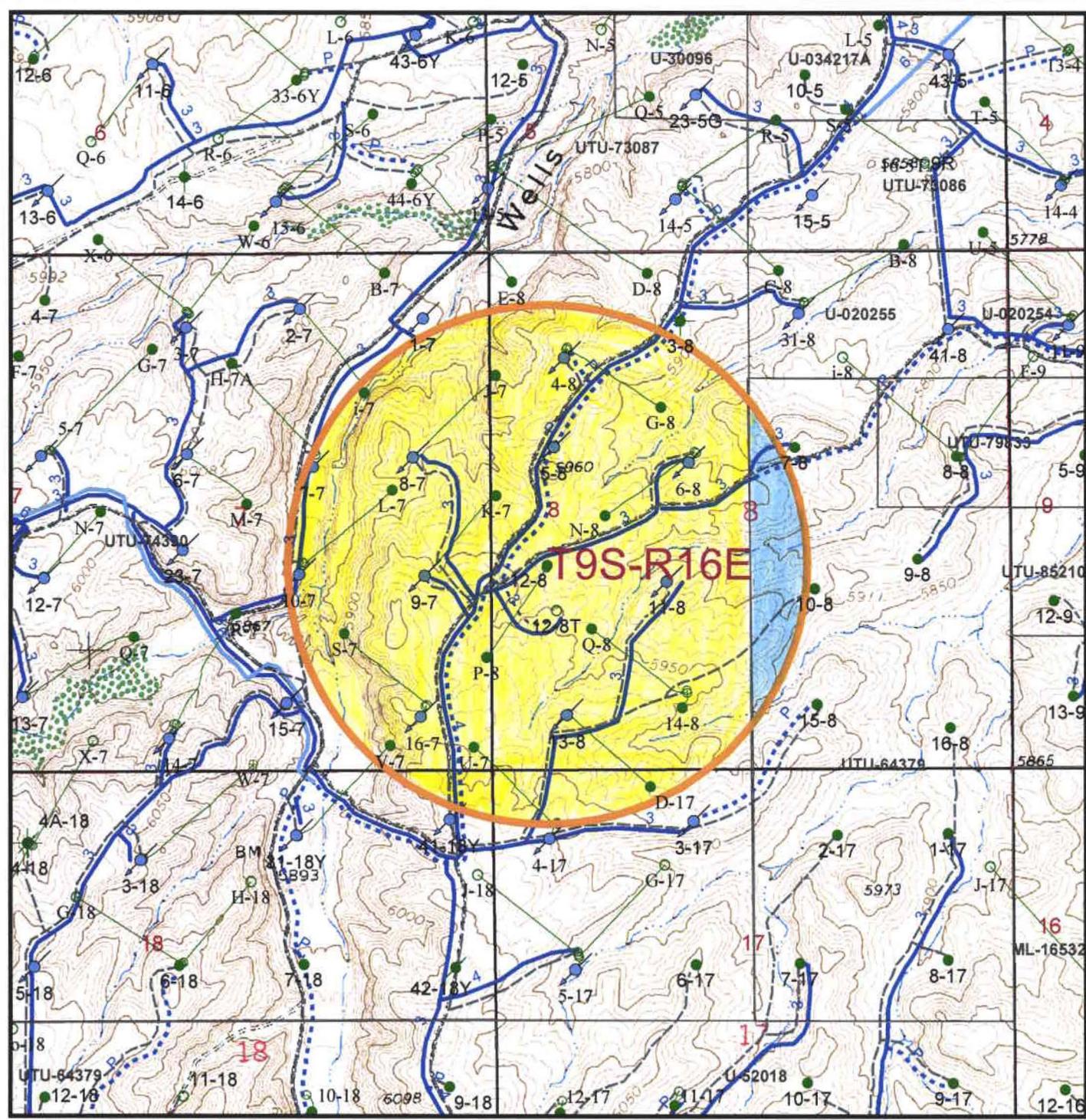
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

- 2.11 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.

- 2.12 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.



**WellStatus\_HalfMile\_Buffer**

**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
- Countyline

**Injection system**

- high pressure
- low pressure
- ⋯ proposed
- return
- ⋯ return proposed
- ▭ Leases
- ▭ Mining tracts

UTU-74390

UTU-64379

W Point 12-8  
Section 8, T9S-R16E

**NEWFIELD**



ROCKY MOUNTAINS 1 in = 1,500 feet

1/2 Mile Radius Map  
Duchesne & Uintah Counties

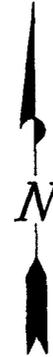
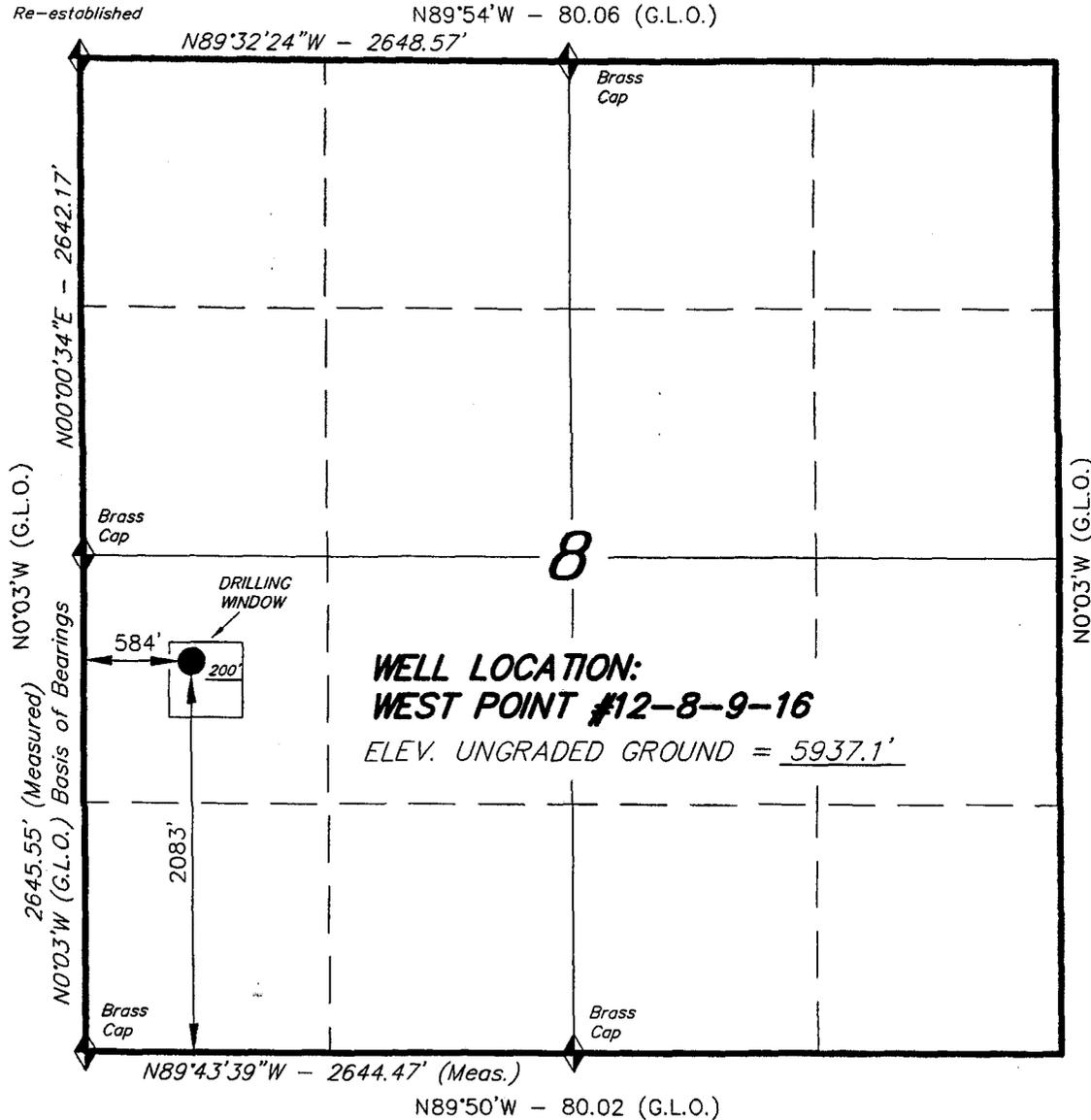
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 883-0102

May 2, 2012

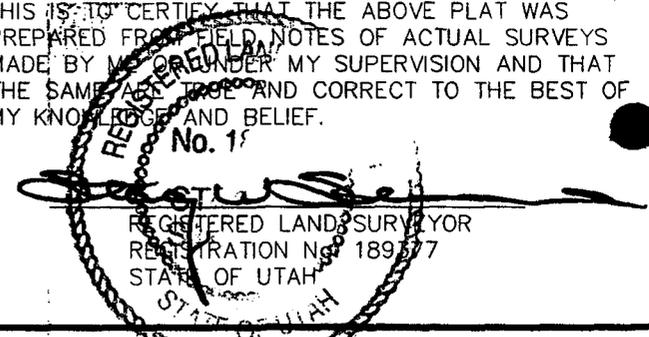
## T9S, R16E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, WEST POINT  
#12-8-9-16, LOCATED AS SHOWN IN  
THE NW 1/4 SW 1/4 OF SECTION 8,  
T9S, R16E, S.L.B.&M. DUCHESNE COUNTY,  
UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.D.S.
DATE: 5-1-01	WEATHER: COOL
NOTES:	FILE #

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 6: All Section 7: All Section 8: W2 Section 17: NW Section 18: NE, E2NW, LOTS 1, 2	USA UTU-74390 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Corp Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
West Point #12-8-9-16

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  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 7<sup>th</sup> day of June, 2012.

Notary Public in and for the State of Colorado: 

My Commission Expires  
02/10/2013

My Commission Expires: \_\_\_\_\_



## West Point #12-8-9-16

Spud Date: 11/12/2001  
 Put on Production: 12/27/2001  
 GL: 5937' KB: 5947'

Initial Production: 82 BOPD,  
 43 MCFD, 37 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.78')  
 DEPTH LANDED: 309.78'  
 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: 141 jts. (5969')  
 DEPTH LANDED: 5966.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 340'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 175 jts (5647.91')  
 TUBING ANCHOR: 5450.55'  
 NO. OF JOINTS: 3 jts (96.70')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5755.71'  
 NO. OF JOINTS: 2 jts (64.55')  
 TOTAL STRING LENGTH: EOT @ 5823.37'

#### SUCKER RODS

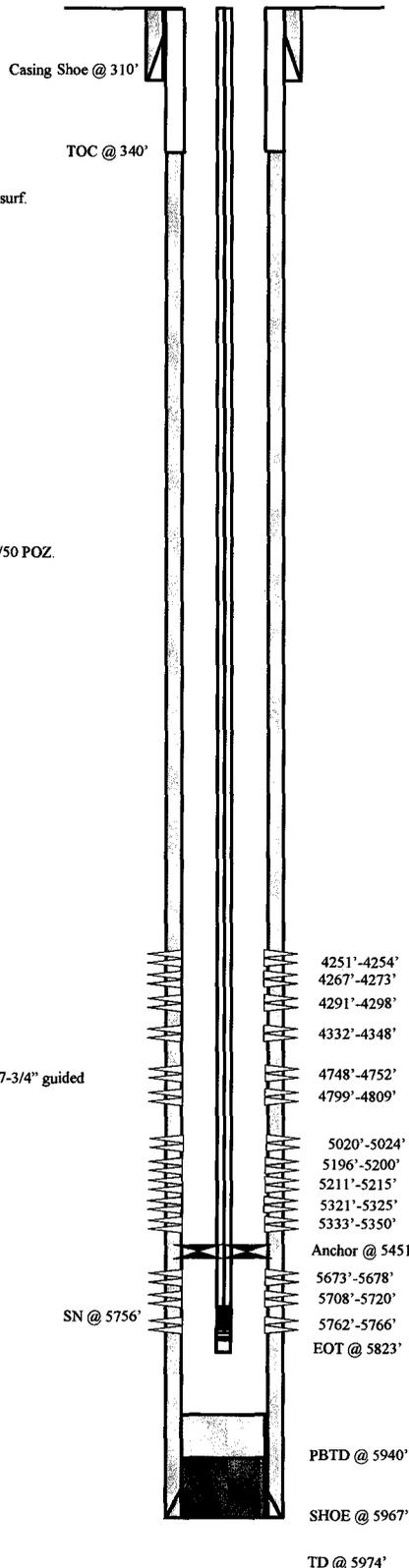
POLISHED ROD: 1-1/2" x 22' (A)  
 SUCKER RODS: 6-1 1/2" weight bars; 20-3/4" guided rods; 87-3/4" guided rods, .116-3/4" slick rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15 1/2" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

#### FRAC JOB

12/13/01	5673'-5766'	<b>Frac CP sand as follows:</b> 89,594# 20/40 sand in 632 bbls YF-125 fluid. Treated @ avg press of 1719 psi w/avg rate of 27.5 BPM. ISIP 2060 psi. Calc. flush: 5673 gal., Act. flush: 5596 gal.
12/13/01	5196'-5350'	<b>Frac LODC sand as follows:</b> 109,000# 20/40 sand in 747 bbls YF-125 fluid. Treated @ avg press of 1827 psi w/avg rate of 28.7 BPM. ISIP 2043 psi. Calc. flush: 5196 gal., Act. flush: 5095 gal. Flow 8.5 hrs. then died.
12/14/01	4748'-5024'	<b>Frac D/B sand as follows:</b> 74,200# 20/40 sand in 547 bbls YF-125 fluid. Treated @ avg press of 1761 psi w/avg rate of 26.9 BPM. ISIP 2109 psi. Calc. flush: 4748 gal., Act. flush: 4683 gal.
12/14/01	4251'-4348'	<b>Frac GB sand as follows:</b> 142,186# 20/40 sand in 946 bbls YF-125 fluid. Treated @ avg press of 1815 psi w/avg rate of 28.6 BPM. ISIP 2230 psi. Calc. flush: 4251 gal., Act. flush: 4171 gal. Flow 9 hrs. then died.
3/6/03		Stuck pump. Update rod details.
09/01/05		Pump Change. Detail rod and tubing Updated.
8-8-08		Parted rods. Updated rod & tubing details.

#### PERFORATION RECORD

12/12/01	5762'-5766'	4 JSPF	16 holes
12/12/01	5708'-5820'	4 JSPF	48 holes
12/12/01	5673'-5678'	4 JSPF	20 holes
12/13/01	5333'-5350'	4 JSPF	68 holes
12/13/01	5321'-5325'	4 JSPF	16 holes
12/13/01	5211'-5215'	4 JSPF	16 holes
12/13/01	5196'-5200'	4 JSPF	16 holes
12/14/01	5020'-5024'	4 JSPF	16 holes
12/14/01	4799'-4809'	4 JSPF	40 holes
12/14/01	4748'-4752'	4 JSPF	16 holes
12/14/01	4332'-4348'	4 JSPF	64 holes
12/14/01	4291'-4298'	4 JSPF	28 holes
12/14/01	4267'-4273'	4 JSPF	24 holes
12/14/01	4251'-4254'	4 JSPF	12 holes



**NEWFIELD**

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West Point Unit #12-8-9-16  
 2083' FSL & 584' FWL  
 NWSW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32286; Lease #UTU-74390

# W Point N-8-9-16

Attachment E-1

Spud Date: 3/20/2009  
 Put on Production: 5/8/2009  
 GL: 5892' KB: 5904'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (309')  
 DEPTH LANDED: 320.85' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 2 bbls cmt to surf.

### PRODUCTION CASING

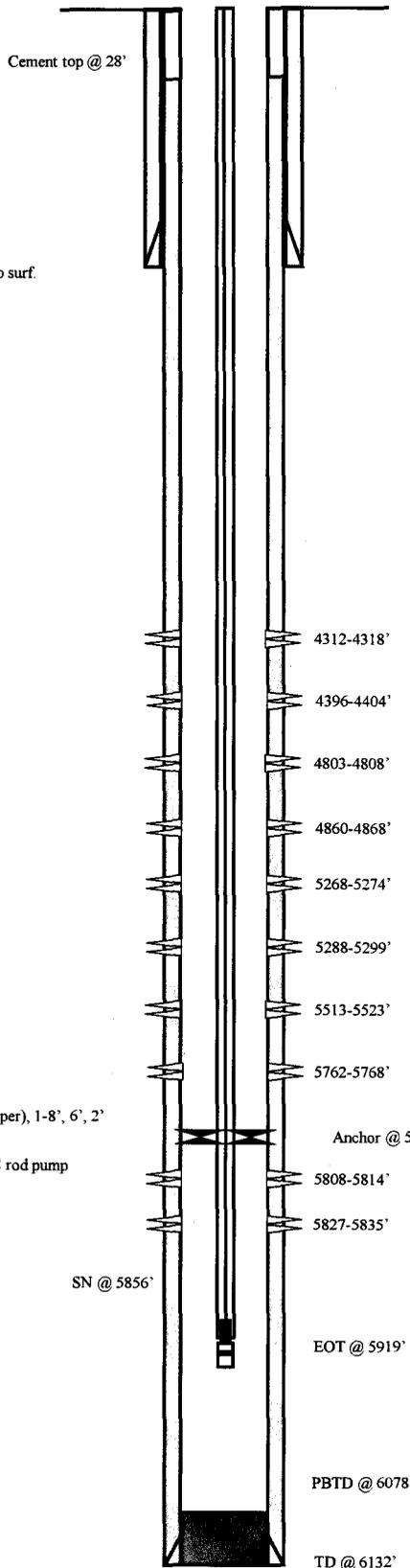
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 158 jts (6106.61')  
 DEPTH LANDED: 6119.86  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx primite and 400 sx 50/50 poz  
 CEMENT TOP AT: 28'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 184 jts (5789')  
 TUBING ANCHOR: 5792' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 5856' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 TOTAL STRING LENGTH: EOT @ 5919'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 30' polished rod  
 SUCKER RODS: 4-1 1/2" weight bars, 229- 7/8" guided rods (8 per), 1-8', 6', 2' x 7/8" pony subs  
 PUMP SIZE: RIH w/central hydraulic 2 1/2" x 1 3/4" x 24' RHAC rod pump  
 STROKE LENGTH: 4.5  
 PUMP SPEED, SPM: 168"



### FRAC JOB

**5/11/2009 5762-5835' Frac CP.5,1,2 as follows:**  
 19,403# 20/40 sand in 328 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2199 psi @ ave rate of 27.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2010 ps, 5 min 1806 psi, 10 min 1672 psi, 15 min 1593 psi.

**5/11/2009 5513-5523' Frac LODC sds as follows:**  
 40,685# 20/40 sand in 422 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2414 psi @ ave rate of 27.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2685 psi, 5 min 2380 psi, 10 min 2175 psi, 15 min 2063 psi.

**5/11/2009 5268-5299' Frac A1 & A3 sds as follows:**  
 45,517# 20/40 sand in 449 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2166 psi @ ave rate of 27.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2321 psi, 5 min 2166 psi, 10 min 2092 psi, 15 min 2014 psi.

**5/11/2009 4803-4868' Frac D1 & DS3 sds as follows:**  
 35,127# 20/40 sand in 365 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2039 psi @ ave rate of 27.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 2317 psi, 5 min 1939 psi, 10 min 1827 psi, 15 min 1734 psi. Leave pressure on well. 1701 BWTR.

**5/11/2009 4396-4404' Frac GB6 sds as follows:**  
 14,673# 20/40 sand in 260 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2246 psi @ ave rate of 28 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISDP 1884 psi, 5 min 1691 psi, 10 min 1645 psi, 15 min 1615 psi.

**5/11/2009 4312-4318' Frac GB4 sds as follows:**  
 17,198# 20/40 sand in 255 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2577 psi @ ave rate of 28 BPM. Screened out 7.5 bbls short of flush. Left 2470#s of sand in pipe, 14,728#s in formation. ISDP 3242 psi, 5 min 1820 psi, 10 min 1615 psi, 15 min 1596 psi.

### PERFORATION RECORD

Date	Interval	Tool	Holes
5/4/09	5827-5835'	4 JSPF	32 holes
5/4/09	5808-5814'	4 JSPF	24 holes
5/4/09	5762-5768'	4 JSPF	24 holes
5/4/09	5513-5523'	4 JSPF	40 holes
5/4/09	5288-5299'	4 JSPF	44 holes
5/4/09	5268-5274'	4 JSPF	24 holes
5/4/09	4860-4868'	4 JSPF	32 holes
5/4/09	4803-4808'	4 JSPF	20 holes
5/4/09	4396-4404'	4 JSPF	32 holes
5/4/09	4312-4318'	4 JSPF	24 holes

**NEWFIELD**



### West Point Federal N-8-9-16

2035' FNL & 2087' FWL (SE/NW)  
 Section 8, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-34079; Lease # UTU-74390

## West Point 4-8-9-16

Spud Date: 2/28/2001  
 Put on Production: 3/31/2001  
 GL: 5938' KB: 5948'

Initial Production: 294 BOPD,  
 272 MCFD, 74 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293.39')  
 DEPTH LANDED: 303.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt,

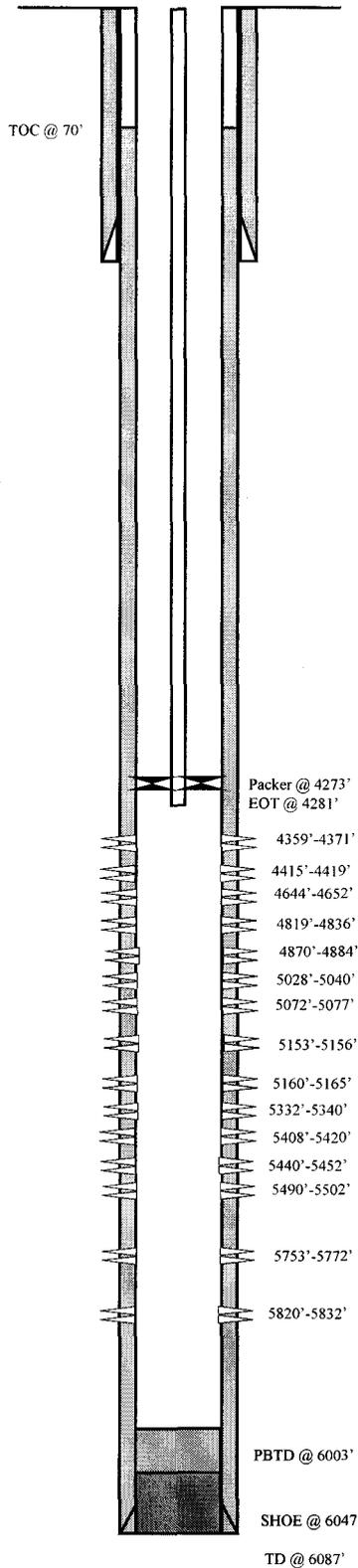
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (6051.09')  
 DEPTH LANDED: 6046.69'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP: 70'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 132 jts. (4262.3')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4272.3' KB  
 PACKER @ 4273.4'  
 TOTAL STRING LENGTH: EOT @ 4281' W/ 10' KB

### Injection Wellbore Diagram



### FRAC JOB

3/23/01 5753'-5832' **Frac CP sands as follows:**  
 134,800# 20/40 sand in 909 bbls Viking 1-25 fluid. Treated @ avg press of 1800 psi w/ avg rate of 30 BPM. ISIP: 1970 psi. Calc. flush: 5753 gal. Actual flush: 5670 gal.

3/27/01 5332'-5502' **Frac A & LODC sands as follows:**  
 428,400# 20/40 sand in 2613 bbls Viking 1-25 fluid. Treated @ avg press of 2400 psi w/ avg rate of 37.4 BPM. ISIP: 2560 psi. Calc. flush: 5332 gal. Actual flush: 6498 gal.

3/28/01 4819'-4884' **Frac D sands as follows:**  
 152,950# 20/40 sand in 990 bbls Viking 1-25 fluid. Treated @ avg press of 1850 psi w/ avg rate of 29.5 BPM. ISIP: 2080 psi. Calc. flush: 4819 gal. Actual flush: 4746 gal.

5/13/03 5028'-5165' **Frac C and B2 sands as follows:**  
 74,863# 20/40 sand in 583 bbls Viking 1-25 fluid. Treated @ avg press of 3490 psi w/ avg rate of 17.7 BPM. ISIP: 1750 psi. Calc. flush: 1313 gal. Actual flush: 1218 gal.

5/14/03 4359'-4652' **Frac GB and PB sands as follows:**  
 75,090# 20/40 sand in 549 bbls Viking 1-25 fluid. Treated @ avg press of 1795 psi w/ avg rate of 25 BPM. ISIP: 2075 psi. Calc. flush: 4357 gal. Actual flush: 4284 gal.

10/12/05 **Parted Rods.**

10/13/05 **Parted Rods.** Detail tubing and rod updated.

2-17-06 **Tubing Leak.** Updated rod and tubing detail.

12-6-07 **Pump Change.** Updated rod & tubing details.

02/16/12 **Convert to Injection Well**

02/21/12 **Conversion MIT Finalized** - update tbg detail

### PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
3/23/01	5820'-5832'	4 JSPF	48 holes
3/23/01	5753'-5772'	4 JSPF	76 holes
3/27/01	5490'-5502'	4 JSPF	48 holes
3/27/01	5440'-5452'	4 JSPF	48 holes
3/27/01	5408'-5420'	4 JSPF	48 holes
3/27/01	5332'-5340'	4 JSPF	32 holes
3/28/01	4870'-4884'	4 JSPF	56 holes
3/28/01	4819'-4836'	4 JSPF	68 holes
5/13/03	5160'-5165'	4 JSPF	20 holes
5/13/03	5153'-5156'	4 JSPF	12 holes
5/13/03	5072'-5077'	4 JSPF	20 holes
5/13/03	5028'-5040'	4 JSPF	48 holes
5/13/03	4644'-4652'	4 JSPF	32 holes
5/13/03	4415'-4419'	4 JSPF	16 holes
5/13/03	4359'-4371'	4 JSPF	48 holes



**West Point 4-8-9-16**  
 972' FNL & 798' FWL  
 NWNW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32208; Lease #UTU-74390

## West Point #5-8-9-16

Spud Date: 3/08/01  
 Put on Production: 5/12/01  
 GL: 5929' KB: 5939'

Initial Production: 410 BOPD,  
 323 MCFD, 194 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.59")  
 DEPTH LANDED: 306.59'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt,

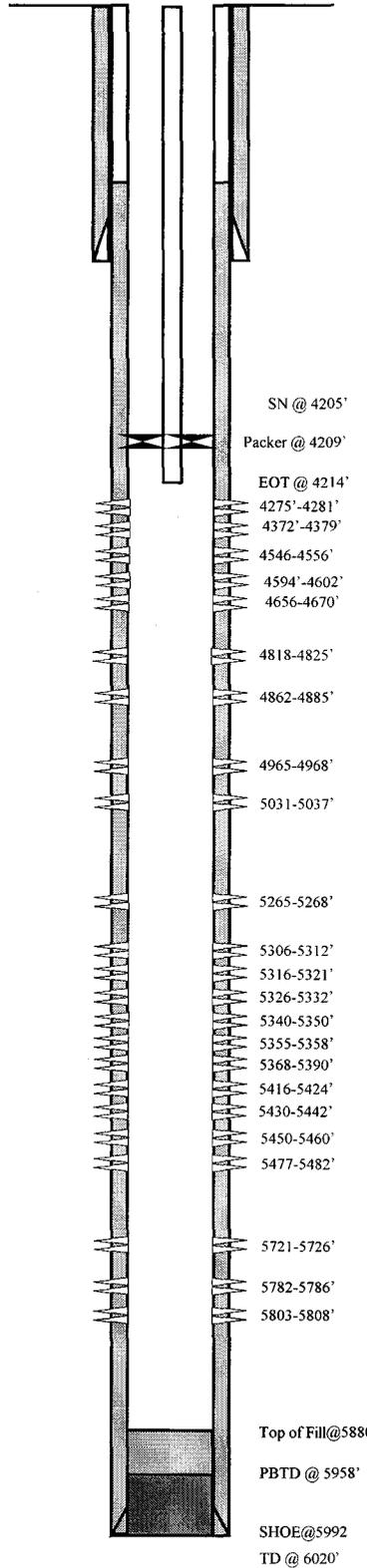
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (5997")  
 DEPTH LANDED: 5992'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 130 jts. (4194.96")  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 4204.96'  
 TOTAL STRING LENGTH: EOT @ 4213.51' w/10' KB

### Injection Wellbore Diagram



### FRAC JOB

5/3/01 5721'-5808' **Frac CP sands as follows:**  
 53,348# 20/40 sand in 448 bbls Viking 1-25 Fluid. Treated @ avg press of 1700 psi w/ avg rate of 27 BPM. ISIP 1820 Flow back on 12/64 choke for 3 hrs & died.

5/4/01 5265'-5482' **Frac A/LODC sands as follows:**  
 541,852# 20/40 sand in 3809 bbls Viking 1-25 fluid. Treated @ avg. press. of 1800 psi avg. w/ avg. rate of 26.1 BPM. ISIP 2670 psi. Flow frac back for 13.5 hrs. then died

5/7/01 4965'-5037' **Frac B&C sands as follows:**  
 51,400# 20/40 sand in 397 bbls Viking 1-25 fluid. Treated @ avg pressure of 1800 psi and rate of 26.1 BPM. ISIP 2175 psi Flowback frac on 12/64" chk for 2.5 hrs & died.

5/8/01 4818'-4885' **Frac D-2 sand as follows:**  
 147,940# 20/40 sand in 881 bbls Viking 1-25 fluid. Treated @ avg pressure of 1600 psi and rate of 29 BPM. ISIP: 1850 psi. Flowback frac on 12/64" chk for 3 hrs and died.

5/9/01 4656'-70' **Frac Stray sand as follows:**  
 64,794# 20/40 sand in 469 bbls Viking 1-25 fluid. Treated @ avg pressure of 2340 psi and rate of 25 BPM. ISIP: 2235 psi. Flowback frac on 12/64" chk for 3 hrs and died

1/31/02 Pump change. Update rod and tubing details.

3/19/03 Stuck Pump. Update rod and tubing details.

8/26/03 Stuck Pump. Update rod and tubing details.

08/27/05 Parted Rods. Update rod and tubing details.

1/19/06 **Frac PB10 & 11 sands as follows:**  
 23,258# 20/40 sand in 237 bbls of lightening 17 fluid. Broke @ 2280 psi. Treated w/ave pressure of 3273 psi @ ave rate of 13.9 BPM. ISIP 2290 psi. Flowback on 16/64 choke @ 1 BPM. Flowed for 1 hr and 10 minutes and died.

1/19/06 **Frac GB4 & 6 sands as follows:**  
 20,208# 20-40 sand in 202 bbls of Lightening 17 fluid. Broke @ 2740 psi. Treated w/ave pressure of 2863 psi @ ave rate of 14.6 BPM. ISIP 1880 psi. Began immediate flowback on 16/64 choke @ 1 BPM. Flowed 1 hr and died.

1/23/06 **Well converted to an Injection.**

2/10/06 **MIT completed.**

### PERFORATION RECORD

5/02/01	5803-08'	4 JSPF	20 holes
5/02/01	5782-86'	4 JSPF	16 holes
5/02/01	5721-26'	4 JSPF	20 holes
5/03/01	5477-82'	4 JSPF	20 holes
5/03/01	5450-60'	4 JSPF	40 holes
5/03/01	5430-42'	4 JSPF	48 holes
5/03/01	5416-24'	4 JSPF	32 holes
5/03/01	5368-90'	4 JSPF	88 holes
5/03/01	5355-58'	4 JSPF	12 holes
5/03/01	5340-50'	4 JSPF	40 holes
5/03/01	5326-32'	4 JSPF	24 holes
5/03/01	5316-21'	4 JSPF	20 holes
5/03/01	5306-12'	4 JSPF	24 holes
5/03/01	5265-68'	4 JSPF	12 holes
5/07/01	5031-37'	4 JSPF	24 holes
5/07/01	4965-68'	4 JSPF	12 holes
5/08/01	4862-85'	4 JSPF	92 holes
5/08/01	4818-25'	4 JSPF	28 holes
5/09/01	4656-70'	4 JSPF	56 holes
1/19/06	4594-4602'	4 JSPF	32 holes
1/19/06	4546-56'	4 JSPF	40 holes
1/19/06	4372-79'	4 JSPF	28 holes
1/19/06	4275-81'	4 JSPF	24 holes



**West Point #5-8-9-16**  
 1984' FNL & 659' FWL  
 SWNW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32209; Lease #UTU-74390

## West Point 6-8-9-16

Spud Date: 11/10/2001  
 Put on Production: 12/18/2001  
 GL: 5886' KB: 5896'

Initial Production: 160 BOPD,  
 253 MCFD, 45 BWPD

Injection Wellbore  
 Diagram

### SURFACE CASING

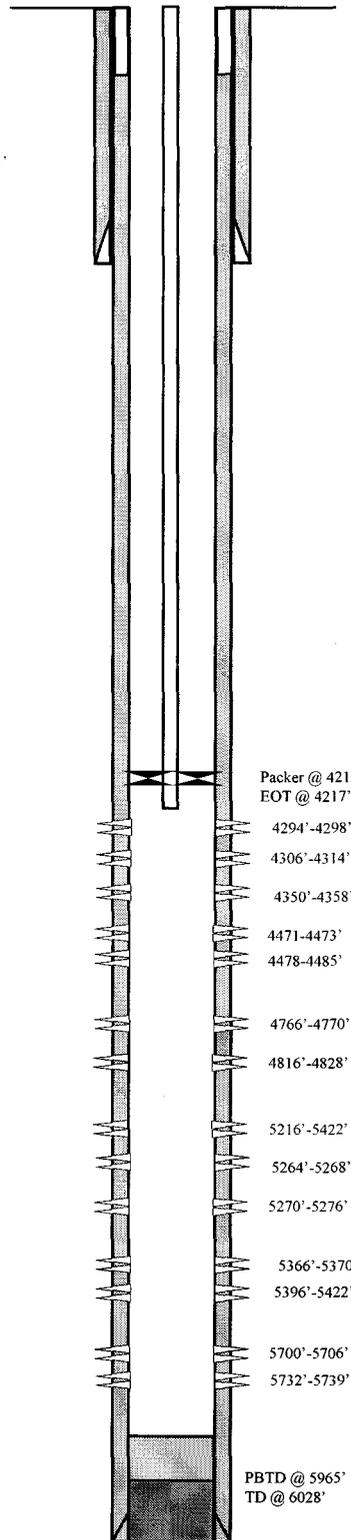
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24# Cement Top @ 95'  
 LENGTH: 7 jts. (303.45')  
 DEPTH LANDED: 311.45'  
 HOLE SIZE: 12-1/4" Casing shoe @ 311'  
 CEMENT DATA: 150 sxs Class "G" cmt, est 1 bbl cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5999.71')  
 DEPTH LANDED: 5997.21'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 95' per CBL.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4199')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4209' KB  
 CE @ 4213.37'  
 TOTAL STRING LENGTH: EOT @ 4217'



### FRAC JOB

12/6/01 5700'-5739' **Frac CP sand as follows:**  
 50,505# 20/40 sand in 433 bbls Viking I-25 fluid. Treated @ avg press of 1950 psi w/avg rate of 25.7 BPM. ISIP 2150 psi. Calc. flush 5700 gal. Act. flush 5628 gal.

12/7/01 5216'-5422' **Frac LODC/A sand as follows:**  
 163,131# 20/40 sand in 1100 bbls Viking I-25 fluid. Treated @ avg press of 2210 psi w/avg rate of 26 BPM. ISIP 2275 psi. Calc. flush 5216 gal. Act. flush 5145 gal. Flowed 9.5 hr. then died.

12/10/01 4766'-4828' **Frac D sand as follows:**  
 64,699# 20/40 sand in 521 bbls Viking I-25 fluid. Treated @ avg press of 1775 psi w/avg rate of 25.6 BPM. ISIP 1900 psi. Calc. flush 4766 gal. Act. flush 4897 gal. Flowed 5.5 hr. then died.

12/11/01 4294'-4358' **Frac GB sand as follows:**  
 83,741# 20/40 sand in 539 bbls Viking I-25 fluid. Treated @ avg press of 1850 psi w/avg rate of 25.6 BPM. ISIP 221 psi. Calc. flush 4294 gal. Act. flush 4200 gal. Flowed 8 hr. then died.

02/17/11 4471'-4485' **Frac PB8 sand as follows:** 42601# 20/40 sand in 378 bbls Lighting 17 fluid.

02/23/11 **Recompletion finalized** – updated tbg and rod details

05/04/11 **Convert to Injection Well**

05/19/11 **Conversion MIT Finalized** – tbg detail updated

### PERFORATION RECORD

Date	Interval	Tool	Holes
12/06/01	5732'-5739'	4 JSPF	28 holes
12/06/01	5700'-5706'	4 JSPF	24 holes
12/07/01	5396'-5422'	4 JSPF	104 holes
12/07/01	5366'-5370'	4 JSPF	16 holes
12/07/01	5270'-5276'	4 JSPF	24 holes
12/07/01	5264'-5268'	4 JSPF	16 holes
12/07/01	5216'-5222'	4 JSPF	24 holes
12/10/01	4816'-4828'	4 JSPF	48 holes
12/10/01	4766'-4770'	4 JSPF	16 holes
12/11/01	4350'-4358'	4 JSPF	32 holes
12/11/01	4306'-4314'	4 JSPF	32 holes
12/11/01	4294'-4298'	4 JSPF	16 holes
02/17/11	4478'-4485'	3 JSPF	21 holes
02/17/11	4471'-4473'	3 JSPF	6 holes



**West Point 6-8-9-16**  
 2048' FNL & 2104' FWL  
 SENW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32282; Lease #UTU-74390

## West Point #11-8-9-16

Spud Date: 11/20/2001  
 Put on Production: 1/10/2002  
 GL: 5922' KB: 5932'

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (298.45')  
 DEPTH LANDED: 306.45'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbl cmt to surface.

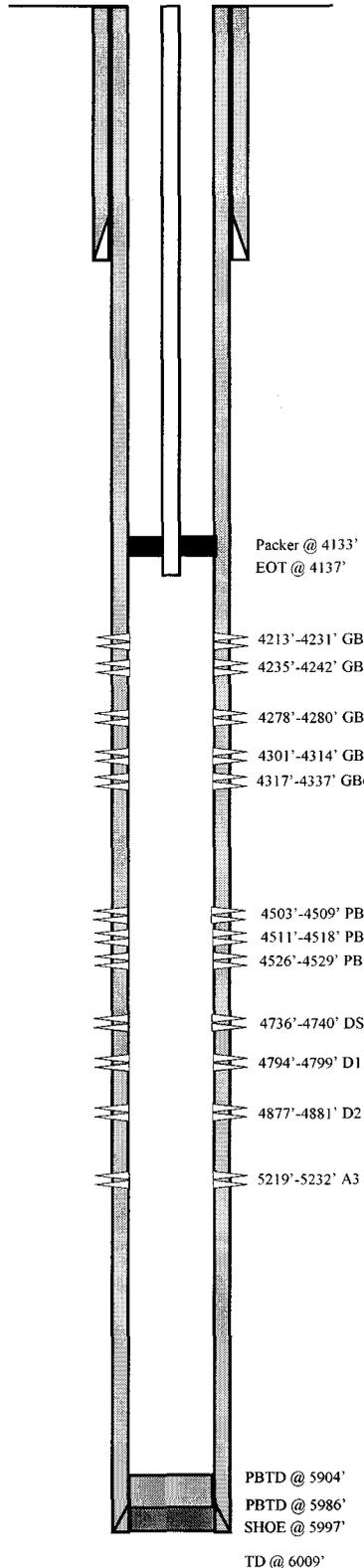
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (6006.41')  
 DEPTH LANDED: 5996.97'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 128 jts (4118.67')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4128.67' KB  
 PACKER: 4132 98'  
 TOTAL STRING LENGTH: EOT @ 4137.08'

Injection Wellbore  
Diagram



### FRAC JOB

1/3/02	5219'-5232'	<b>Frac A-3 sand as follows:</b> 38,000# 20/40 sand in 347 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 28.5 BPM. ISIP 2180 psi. Calc. flush: 5219 gal., Act. flush: 5166 gal.
1/3/02	4736'-4881'	<b>Frac D-1, D-2 sand as follows:</b> 41,610# 20/40 sand in 385 bbls Viking I-25 fluid. Treated @ avg press of 1950 psi w/avg rate of 28.5 BPM. ISIP 2020 psi. Calc. flush: 4794 gal., Act. flush: 4662 gal.
1/3/02	4213'-4337'	<b>Frac GB sand as follows:</b> 193,610# 20/40 sand in 1267 bbls Viking I-25 fluid. Treated @ avg press of 1950 psi w/avg rate of 28.5 BPM. ISIP 2050 psi. Calc. flush: 4213 gal., Act. flush: 4116 gal.
4/25/03		Stuck Pump. Update rod details.
4/21/04		Converted to injector. Ready for MIT.
4/1/09		<b>5 Year MIT completed and submitted.</b>

### PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
1/2/02	5219'-5232'	4 JSPF	32 holes
1/3/02	4877'-4881'	4 JSPF	16 holes
1/3/02	4794'-4799'	4 JSPF	20 holes
1/3/02	4736'-4740'	4 JSPF	16 holes
1/3/02	4526'-4529'	4 JSPF	12 holes
1/3/02	4511'-4518'	4 JSPF	28 holes
1/3/02	4503'-4509'	4 JSPF	24 holes
1/3/02	4317'-4337'	4 JSPF	80 holes
1/3/02	4301'-4314'	4 JSPF	52 holes
1/3/02	4278'-4280'	4 JSPF	08 holes
1/3/02	4235'-4242'	4 JSPF	28 holes
1/3/02	4213'-4231'	4 JSPF	72 holes
4/20/04	5802'-5816'	4 JSPF	56 holes
4/20/04	5660'-5664'	4 JSPF	16 holes



**West Point #11-8-9-16**  
 1919' FSL & 1797' FWL  
 NE/SW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32285; Lease #UTU-74390

## West Point 13-8-9-16

Spud Date: 11/19/2001  
 Put on Production: 1/4/2002  
 GL: 5982' KB: 5992'

Initial Production: 49.3 BOPD,  
 1075.4 MCFD, 9.7 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

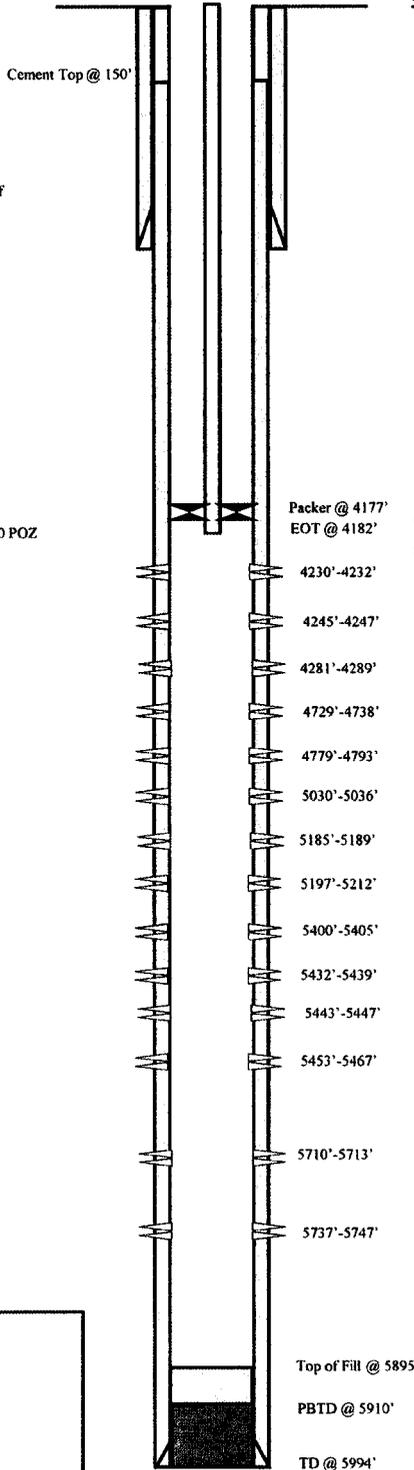
CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts. (304.68')  
 DEPTH LANDED: 312.68'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA 150 sxs Class "G" cmt, est 4 bbl cmt to surf

#### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 140 jts. (5968.64')  
 DEPTH LANDED: 5966.14'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP AT 150'

#### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 133 jts (4163.07)  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 4173.07' KB  
 TOTAL STRING LENGTH EOT @ 4181.57'



#### FRAC JOB

12/20/01 5710'-5747' **Frac CP sand as follows:**  
 36,520# 20/40 sand in 376 bbls Viking I-25 fluid. Treated @ avg press of 1680 psi w/avg rate of 26.6 BPM. ISIP 2000 psi. Calc. flush: 5710 gal., Act. flush: 5628 gal.

12/20/01 5400'-5467' **Frac LODC sand as follows:**  
 84,320# 20/40 sand in 632 bbls Viking I-25 fluid. Treated @ avg press of 2250 psi w/avg rate of 26.4 BPM. ISIP 2300 psi. Calc. flush: 5400 gal., Act. flush: 5334 gal.

12/20/01 5030'-5212' **Frac A/B sands as follows:**  
 76,320# 20/40 sand in 577 bbls Viking I-25 fluid. Treated @ avg press of 2260 psi w/avg rate of 25.2 BPM. ISIP 2040 psi. Calc. flush: 5030 gal., Act. flush: 4914 gal.

12/20/01 4729'-4793' **Frac D1/DS3 sand as follows:**  
 81,320# 20/40 sand in 603 bbls Viking I-25 fluid. Treated @ avg press of 1640 psi w/avg rate of 27.1 BPM. ISIP 2040 psi. Calc. flush: 4729 gal., Act. flush: 4663 gal.

9/14/02 Stuck pump. Updated rod and tubing details.  
 5/25/04 Pump change. Update rod details.  
 Note: GB3 (4230'-4289') sands left un-fraced.  
 1/12/06 Well converted to injector.  
 1/26/06 MIT completed and submitted.

#### PERFORATION RECORD

Date	Depth Range	Tool	Holes
12/20/01	5737'-5747'	4 JSPF	40 holes
12/20/01	5710'-5713'	4 JSPF	12 holes
12/20/01	5453'-5467'	4 JSPF	56 holes
12/20/01	5443'-5447'	4 JSPF	16 holes
12/20/01	5432'-5439'	4 JSPF	28 holes
12/20/01	5400'-5405'	4 JSPF	20 holes
12/20/01	5197'-5212'	4 JSPF	60 holes
12/20/01	5185'-5189'	4 JSPF	16 holes
12/20/01	5030'-5036'	4 JSPF	24 holes
12/20/01	4779'-4793'	4 JSPF	56 holes
12/20/01	4729'-4738'	4 JSPF	36 holes
12/20/01	4281'-4289'	4 JSPF	32 holes
12/20/01	4245'-4247'	4 JSPF	08 holes
12/20/01	4230'-4232'	4 JSPF	08 holes

**NEWFIELD**



**West Point Unit 13-8-9-16**  
 779' FWL & 559' FSL  
 SWSW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32287; Lease #UTU-74390

Sundry Number: 42931 API Well Number: 43013322880000

West Point 14-8-9-16

Spud Date: 12/13/2001  
 Put on Production: 1/15/2002  
 GL: 5959' KB: 5969'

Initial Production: 78 BOPD,  
 90 MCFD, 10 BWPD

Injection Wellbore  
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (310 63')  
 DEPTH LANDED: 318 63'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 2 bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts (5957 29')  
 DEPTH LANDED: 5954 79'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP AT: 1100' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 145 jts (4719')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4729' KB  
 ON/OFF TOOL AT: 4730 1'  
 ARROW #1 PACKER CE AT: 4735 3'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4738 9'  
 TBG PUP 2-3/8 J-55 AT: 4739 4'  
 X/N NIPPLE AT: 4743 5'  
 TOTAL STRING LENGTH: EOT @ 4745 35'

FRAC JOB

1/10/02 5707'-5745' Frac CP-3 sand as follows:  
 26,000# 20/40 sand in 297 bbls Viking  
 I-25 fluid Treated @ avg press of 1850  
 psi w/avg rate of 25 BPM ISIP 1980  
 psi Calc flush: 5707 gal, Act flush:  
 5628 gal

1/10/02 5228'-5319' Frac A-3 sand as follows:  
 60,000# 20/40 sand in 483 bbls Viking  
 I-25 fluid Treated @ avg press of 2300  
 psi w/avg rate of 25 BPM ISIP 2085  
 psi Calc flush: 5228 gal, Act flush:  
 5166 gal

1/10/02 4804'-4818' Frac D-1 sand as follows:  
 60,680# 20/40 sand in 486 bbls Viking  
 I-25 fluid Treated @ avg press of 1775  
 psi w/avg rate of 25 BPM ISIP 2060  
 psi Calc flush: 4804 gal, Act flush:  
 4707 gal

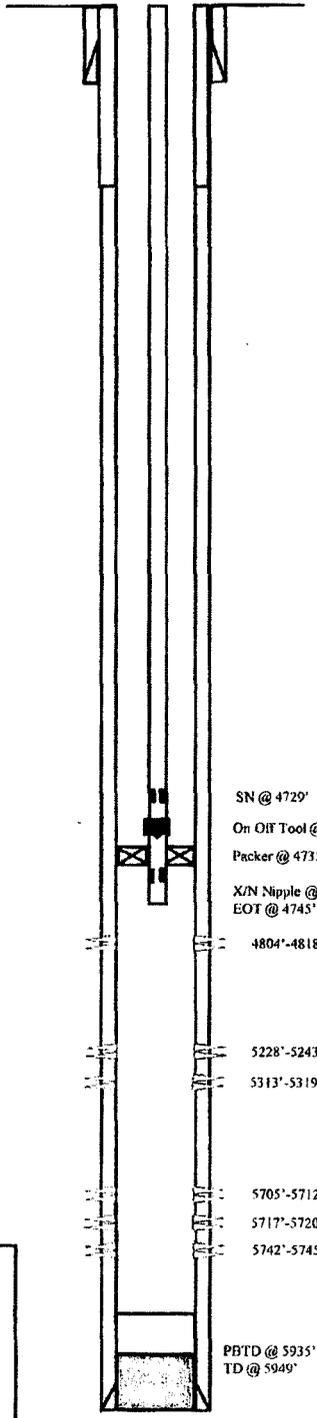
07/11/06 Pump Change: Update rod and tubing  
 details

3/25/11 Pump Change: Updated rod & tubing  
 details

8/12/11 Pump Change: Updated rod & tubing  
 details

09/19/13 Convert to Injection Well

09/24/13 Conversion MIT Finalized - update tbg  
 detail



PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
1/08/02	5742'-5745'	4	JSPF 12 holes
1/08/02	5717'-5720'	4	JSPF 12 holes
1/08/02	5705'-5712'	4	JSPF 20 holes
1/10/02	5313'-5319'	4	JSPF 24 holes
1/10/02	5228'-5243'	4	JSPF 60 holes
1/10/02	4804'-4818'	4	JSPF 56 holes

**NEWFIELD**

  
**West Point 14-8-9-16**  
 809' FSL & 1999' FWL  
 SESW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32288; Lease #UTU-74390

# West Point 8-7-9-16

Spud Date: 3-24-01  
 Put on Production: 5/1/2001  
 GL: 5901' KB: 5911'

Initial Production: 123 BOPD,  
 169 MCFPD, 4 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (306.35')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sx class g cmt

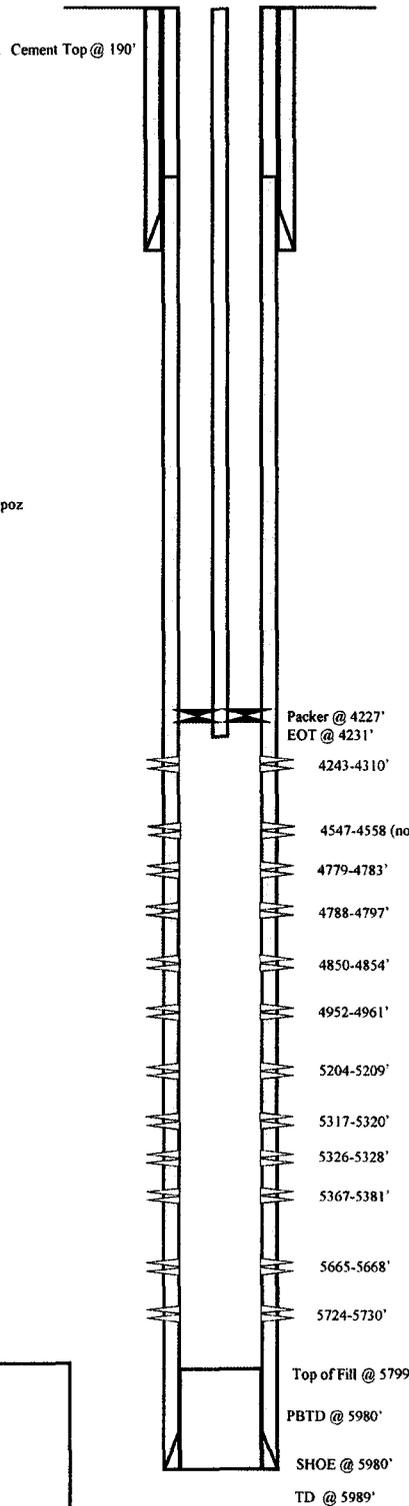
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5984.8')  
 DEPTH LANDED: 5980.40'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx prem lite II mixed & 450 sx 50/50 poz

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 1 jt (32.33')  
 TBG SUB NO. OF JOINTS: 1 jt (10.05')  
 NO OF JOINTS: 129 jts (4169.96')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4222.34' KB  
 ARROW #1 PKR CE @ 4226.69'  
 TOTAL STRING LENGTH: EOT @ 4230.74'

**Injection Wellbore Diagram**



**FRAC JOB**

- 4/23/01 5668-5730' **Frac CP 2 sands as follows:**  
 31,133# 20/40 sans in 327 bbls Viking 1-25 fluid Treated @ avg press of 1800 psi w/avg rate of 30 BPM. ISIP 1840 psi. Flow back on 12/64 choke for 2 hrs & died
- 4/24/01 5204-5381' **Frac A/LODC sands as follows:**  
 48,733# 20/40 sand in 414 bbls Viking 1-25 fluid Treated @ avg press of 2080 psi w/avg rate of 29.7 BPM. ISIP 2160 psi. Flow back on 12/64 choke for 2.5 hrs & died.
- 4/26/01 4779-4961' **Frac C, D sands as follows:**  
 101,150# 20/40 sand in 694 bbls Viking 1-25 fluid. Treated @ avg press of 1760 psi w/avg rate of 30.4 BPM. ISIP 2040 psi
- 4/27/01 4243-4310' **Frac GB-4, GB-6 sands as follows:**  
 185,360# 20/40 sand in 1209 bbls Viking 1-25 fluid Treated @ avg press of 1650 psi w/avg rate of 30.2 BPM. ISIP 1890 psi. Flow back on 12/64 choke for 6 hrs & died
- 2/15/02 **Stuck Pump** Update rod and tubing details
- 8/28/02 **Tubing Leak.** Update rod and tubing details.
- 11/23/04 **Parted Rods.** Update rod detail.
- 02/12/05 **Parted Rods.** Update rod detail
- 01/23/07 **Tubing leak.** Update rod and tubing details
- 06/30/09 **Convert to Injection Well**
- 07/02/09 **Conversion MIT Finalized** - update tbg detail

**PERFORATION RECORD**

Date	Interval	Tool	Holes
4/23/01	5724-5730'	4 JSPF	24 holes
4/23/01	5665-5668'	4 JSPF	12 holes
4/25/01	5367-5381'	4 JSPF	56 holes
4/25/01	5326-5328'	4 JSPF	08 holes
4/25/01	5317-5320'	4 JSPF	12 holes
4/25/01	5204-5209'	4 JSPF	20 holes
4/26/01	4952-4961'	4 JSPF	36 holes
4/26/01	4850-4854'	4 JSPF	16 holes
4/26/01	4788-4797'	4 JSPF	36 holes
4/26/01	4779-4783'	4 JSPF	16 holes
4/27/01	4547-4558'	4 JSPF	44 holes
4/27/01	4243-4310'	4 JSPF	188 holes

**NEWFIELD**

West Point 8-7-9-16  
 2081 FNL & 721 FEL  
 SE/NE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32211; Lease #UTU-74390

## West Point #9-7-9-16

Spud Date: 3/20/01  
 Put on Production: 4/21/01  
 GL: 5963' KB: 5973'

Initial Production: 73.2 BOPD,  
 130.5 MCFD, 87.8 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.92')  
 DEPTH LANDED: 304.92'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt.

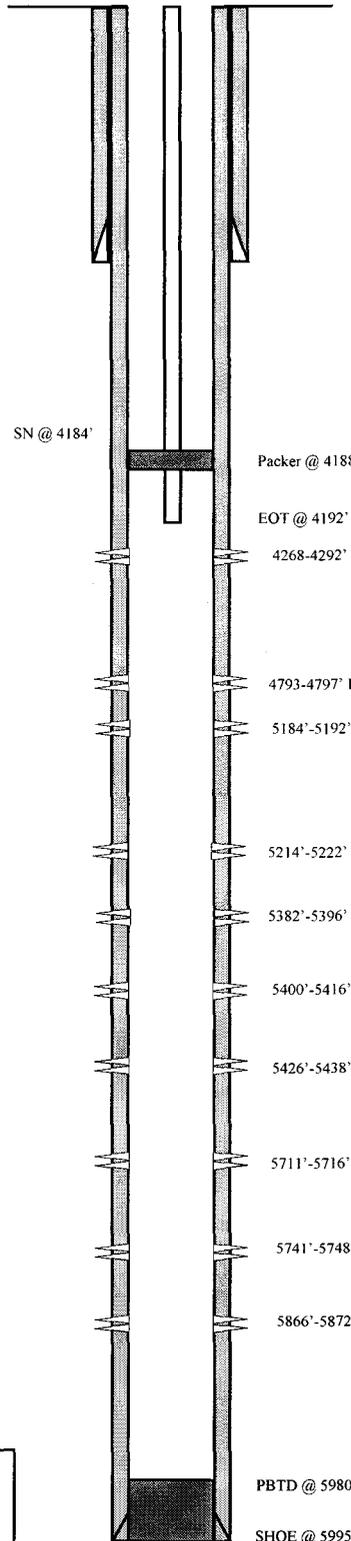
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (5999.75')  
 DEPTH LANDED: 5995.35'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: ? per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4183.29')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4184.39'  
 PACKER: 4187.60'  
 TOTAL STRING LENGTH: EOT @ 4191.70'

### Injection Wellbore Diagram



### FRAC JOB

4/16/01	5711-16'	
	5741-48'	
	5866-72'	<b>Frac CP sand as follows:</b> 59,200# 20/40 sand in 252 bbls Viking I-25 fluid. Perfs broke down @ 2190 psi. Treated @ avg press of 1680 psi w/avg rate of 30 BPM. ISIP 2000 psi.
4/16/01	5382-96'	
	5400-16'	
	5426-38'	<b>Frac LODC sand as follows:</b> Set plug at 5460'. 161,500# 20/40 sand in 678 bbls Viking I-25 fluid. Perfs broke down @ 4200 psi. Treated @ avg press of 2700 psi w/avg rate of 30 BPM. ISIP 2710 psi, flow back on 12/64 choke @ 1 BPM.
4/17/01	5214-22'	
	5184-92'	<b>Frac A sands as follows:</b> Set plug @ 5306'. Frac with 53,000# 20/40 sand in 436 bbls Viking I-25 fluid. Perfs broke down @ 3031 psi. Treated @ avg press of 1900 psi w/avg rate of 29.5 BPM. ISIP 2340 psi.
4/18/01	4268-92'	<b>Frac GB-4 sands as follows:</b> Set plug @ 4326'. Frac with 100,500# 20/40 sand in 621 bbls Viking I-25 fluid. Perfs broke down @ 2204 psi. Treated @ avg press of 1780 psi w/avg rate of 29.9 BPM. ISIP 2050 psi. Set packer. Waiting on permission to inject. Start Injecting <b>5 Year MIT completed and submitted.</b>

### PERFORATION RECORD

4/16/01	5866'-5872'	4 JSPF	24 holes
4/16/01	5741'-5748'	4 JSPF	28 holes
4/16/01	5711'-5716'	4 JSPF	20 holes
4/16/01	5426'-5438'	4 JSPF	48 holes
4/16/01	5400'-5416'	4 JSPF	64 holes
4/16/01	5382'-5396'	4 JSPF	56 holes
4/17/01	5214'-5222'	4 JSPF	32 holes
4/17/01	5184'-5192'	4 JSPF	32 holes
4/18/01	4793'-4797'	4 JSPF	16 holes
4/18/01	4268'-4292'	4 JSPF	96 holes



**West Point #9-7-9-16**  
 1980' FSL & 660' FEL  
 NESE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32212; Lease #UTU-74390

# West Point Fed K-7-9-16

Attachment E-10

Spud Date: 3/17/2009  
 Put on Production: 5/1/2009  
 GL: 5964' KB: 5976'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (305.55')  
 DEPTH LANDED: 317.40' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g' and 400 sx 50/50 poz

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 161 jts (6265.69')  
 DEPTH LANDED: 6279'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx primlite and 400 sx 50/50 poz  
 CEMENT TOP AT: 82'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 187 jts (5864.42')  
 TUBING ANCHOR: 5864' KB  
 NO. OF JOINTS: 1 jt (31.07')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5899.34' KB  
 NO. OF JOINTS: 2 jts (62.52')  
 TOTAL STRING LENGTH: EOT @ 5962'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 30"  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH: 146"  
 PUMP SPEED, SPM: 5

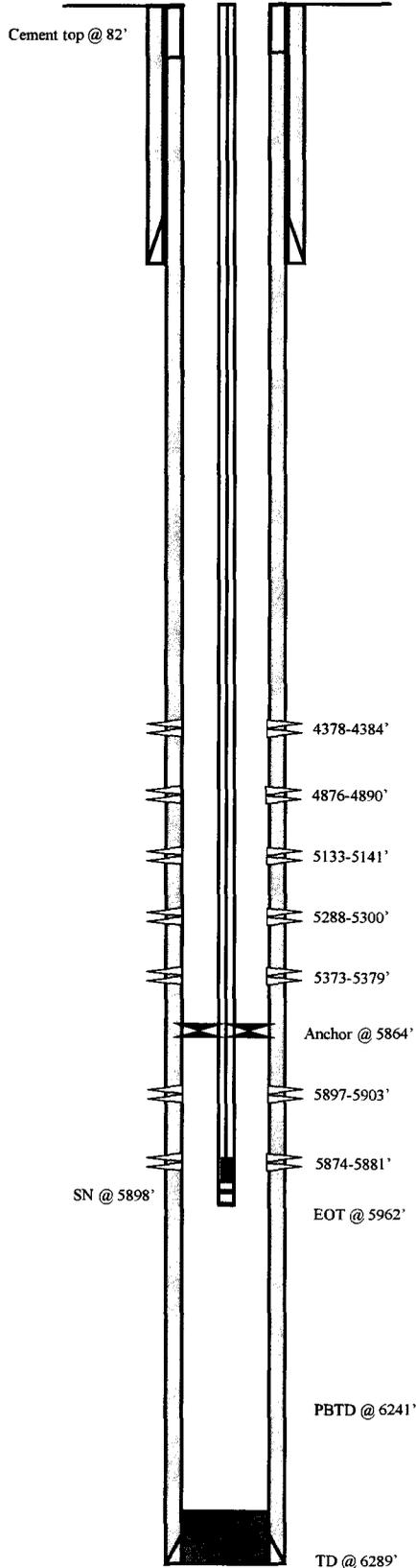
### FRAC JOB

4/24/2009 5288-5300' Frac A1 sds as follows:  
 54,986# 20/40 sand in 495 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 2260 psi w/ ave rate of 27.3 BPM. ISIP 2456 psi.

4/24/2009 5133-5141' Frac B1 sds as follows:  
 30,475# 20/40 sand in 390 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 2704 psi w/ ave rate of 27.2 BPM. ISIP 2263.

4/24/2009 4876-4890' Frac D1 sds as follows:  
 95,478# 20/40 sand in 717 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 1996 psi w/ ave rate of 27.3 BPM. ISIP 2171 psi.

4/24/2009 4378-4384' Frac GB4 sds as follows:  
 21,631# 20/40 sand in 270 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 3198 psi w/ ave rate of 27.3 BPM. ISIP 4200 psi.



### PERFORATION RECORD

Date	Interval	Tool	Holes
4/24/09	5874-5881'	4 JSPF	28 holes
4/24/09	5897-5903'	4 JSPF	24 holes
4/24/09	5373-5379'	4 JSPF	24 holes
4/24/09	5288-5300'	4 JSPF	48 holes
4/24/09	5133-5141'	4 JSPF	32 holes
4/24/09	4876-4890'	4 JSPF	56 holes
4/24/09	4378-4384'	4 JSPF	24 holes

**NEWFIELD**

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**West Point Fed K-7-9-16**

1982' FSL & 643' FEL

NE/SE Section 7-T9S-R16E

Uintah Co, Utah

API # 43-013-34078; Lease # UTU-74390

## West Point Fed #S-7-9-16

Spud Date: 7-4-08  
 Put on Production: 8-7-08  
 GL:6001 KB:6013

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.16')  
 DEPTH LANDED: 323.01'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 150 jts (6288.46)  
 DEPTH LANDED: 6301.71'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Premlite II and 465 sx 50/50 Poz  
 CEMENT TOP AT: 20'

#### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts (5811.63')  
 TUBING ANCHOR: 5823.63' KB  
 NO. OF JOINTS: 1 jt (31.43')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5857.86' KB  
 NO. OF JOINTS: 2 jts (62.87')  
 TOTAL STRING LENGTH: EOT @ 5922.28

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 230-7/8" guided rods (8 per), 4- 1 1/2" weight bars  
 PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump- CDI  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4.5

#### FRAC JOB

7/30/08 5802-5812' **Frac CP1 & CP2 sds as follows:**  
 34,753# 20/40 sand in 493 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1682 psi w/ ave rate of 23.2 BPM. ISIP 1995 psi. Actual flush: 5300 gals.

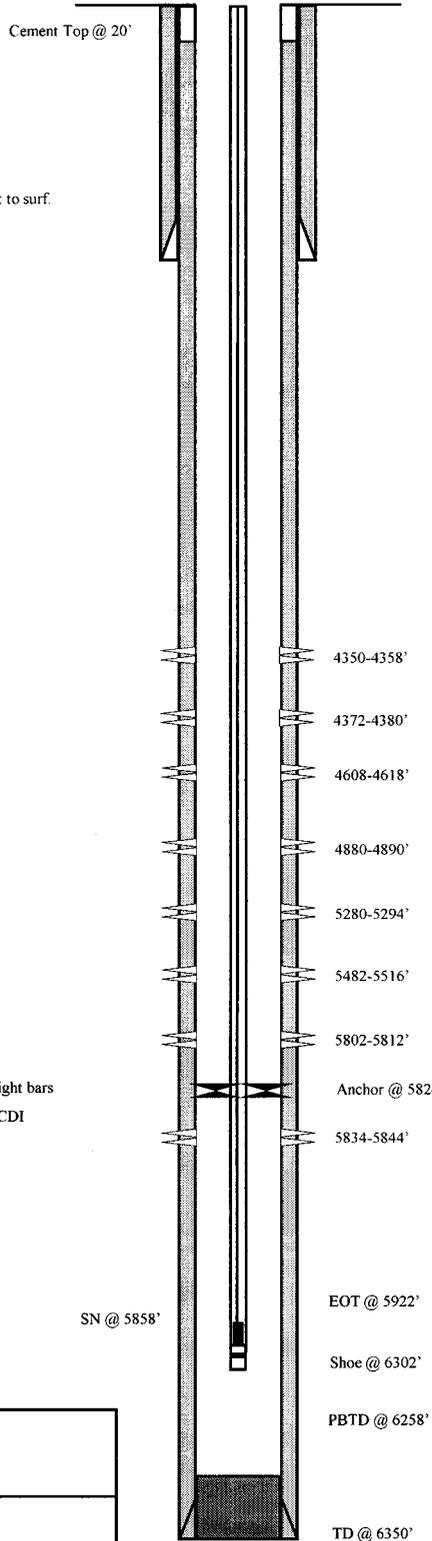
7/30/08 5482-5516' **Frac LODC sds as follows:**  
 151,032# 20/40 sand in 1075 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2133 psi w/ ave rate of 23.4 BPM. ISIP 2650 psi. Actual flush: 5523 gals.

7/31/08 5280-5294' **Frac A.5 sds as follows:**  
 70,799# 20/40 sand in 624 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2040 psi w/ ave rate of 23.2 BPM. ISIP 2662 psi. Actual flush: 4771 gals.

7/31/08 4880-4890' **Frac D1 sds as follows:**  
 49,694# 20/40 sand in 476 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1666 psi w/ ave rate of 23.2 BPM. ISIP 1962 psi. Actual flush: 4368 gals.

7/31/08 4608-4618' **Frac PB10 sds as follows:**  
 40,228# 20/40 sand in 425 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1970 psi w/ ave rate of 23.2 BPM. ISIP 2125 psi. Actual flush: 4095 gals.

7/31/08 4372-4380' **Frac GB4 & GB6 sds as follows:**  
 52,889# 20/40 sand in 442 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.2 BPM. ISIP 2193 psi. Actual flush: 799 gals.



#### PERFORATION RECORD

Date	Interval	Perforations	Holes
5/22/08	4350-4358'	4 JSPF	32 holes
5/22/08	4372-4380'	4 JSPF	32 holes
5/22/08	4608-4618'	4 JSPF	40 holes
5/21/08	4880-4890'	4 JSPF	40 holes
5/21/08	5280-5294'	4 JSPF	56 holes
5/21/08	5482-5516'	4 JSPF	136 holes
5/22/08	5802-5812'	4 JSPF	40 holes
5/22/08	5834-5844'	4 JSPF	40 holes



**West Point Fed #S-7-9-16**  
 672' FSL & 641' FEL  
 SE/SE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33927; Lease #UTU-74390

## West Point Federal P-8-9-16

Spud Date: 9/1/2009  
 Put on Production: 10/6/2009  
 GL: 5941' KB: 5953'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.31')  
 DEPTH LANDED: 322.16'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6226.64')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6239.89'  
 CEMENT DATA: 230 sxs Prem. Lite II mixed & 352 sxs 50/50 POZ.  
 CEMENT TOP AT: 52'

### TUBING

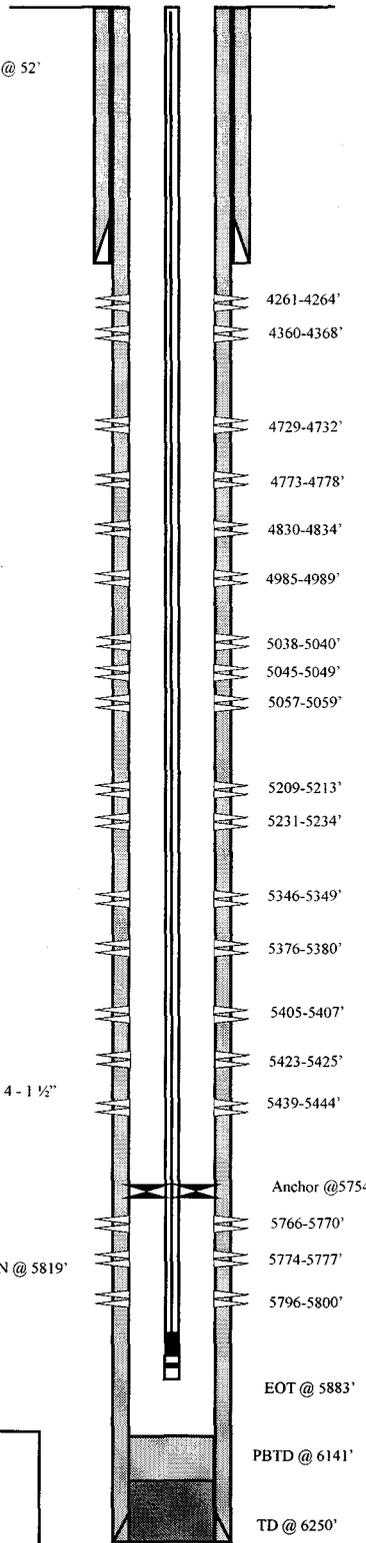
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 182 jts (5741.5')  
 TUBING ANCHOR: 5753.5'  
 NO. OF JOINTS: 2 jts (62.2')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5818.5' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 TOTAL STRING LENGTH: EOT @ 5883'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 1-2' x 7/8" pony rods, 228 - 7/8" 8 per guided rods, 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/2 x 1 3/4 x 20' x 24' RHAC  
 STROKE LENGTH: 122  
 PUMP SPEED: SPM 4

Cement Top @ 52'

SN @ 5819'



### FRAC JOB

10-7-09	5766-5800'	<b>Frac CP1 &amp; CP2 sands as follows:</b> Frac with 76198# 20/40 sand in 484 bbls Lightning 17 fluid.
10-7-09	5346-5444'	<b>Frac LODC sands as follows:</b> Frac with 250561# 20/40 sand in 1539 bbls Lightning 17 fluid.
10-7-09	5209-5234'	<b>Frac A1 &amp; A.5 sands as follows:</b> Frac with 19879# 20/40 sand in 161 bbls Lightning 17 fluid.
10-7-09	4985-5059'	<b>Frac C &amp; B.5 sands as follows:</b> Frac with 60333# 20/40 sand in 367 bbls Lightning 17 fluid.
10-7-09	4729-4834'	<b>Frac DS3, D1, &amp; DS2 sands as follows:</b> Frac with 84986# 20/40 sand in 517 bbls Lightning 17 fluid.
10-7-09	4261-4368'	<b>Frac GB6 &amp; GB4 sands as follows:</b> Frac with 28576# 20/40 sand in 319 total bbls of fluid including Lightning 17 fluid.

### PERFORATION RECORD

5796-5800'	3 JSPF	12 holes
5774-5777'	3 JSPF	9 holes
5766-5770'	3 JSPF	12 holes
5439-5444'	3 JSPF	15 holes
5423-5425'	3 JSPF	6 holes
5405-5407'	3 JSPF	6 holes
5376-5380'	3 JSPF	12 holes
5346-5349'	3 JSPF	9 holes
5231-5234'	3 JSPF	9 holes
5209-5213'	3 JSPF	12 holes
5057-5059'	3 JSPF	6 holes
5045-5049'	3 JSPF	12 holes
5038-5040'	3 JSPF	6 holes
4985-4989'	3 JSPF	12 holes
4830-4834'	3 JSPF	12 holes
4773-4778'	3 JSPF	15 holes
4729-4732'	3 JSPF	9 holes
4360-4368'	3 JSPF	24 holes
4261-4264'	3 JSPF	9 holes

**NEWFIELD**

West Point Federal P-8-9-16  
 2061' FSL & 578' FWL NWSW  
 Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33881; Lease # UTU-74390

## West Point Fed #J-7-9-16

Spud Date: 6-26-08  
 Put on Production: 8-1-08  
 GL: 5905' KB: 5917'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.45')  
 DEPTH LANDED: 323.3'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts  
 DEPTH LANDED: 6331.75'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sx Premlite II and 425 sx 50/50 Poz  
 CEMENT TOP AT: 36'

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 187 jts (5750.9')  
 TUBING ANCHOR: 5762.9' KB  
 NO. OF JOINTS: 2 jts (61.7')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5827.4' KB  
 NO. OF JOINTS: 1 jt (30.8')  
 TOTAL STRING LENGTH: EOT @ 5988

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 4', 2' X 7/8" pony rods, 228- 7/8" guided rods, 4- 1-1/2" K-bars  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16' x 20' CDI RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED, SPM: 5

### FRAC JOB

7/24/08 6210-6220' **RU BJ & frac BS sds as follows:**  
 41,802# 20/40 sand in 479 bbbls of Lightning 17 frac fluid. Treated @ ave pressure of 290 w/ ave rate of 26.1 bpm w/ 8 ppg of sand. Spot 12 bbbls of 15% HCL acid in flush for next stage. ISIP was 2719. Actual flush: 5766 gals.

7/25/08 6128-6146' **RU BJ & frac stage #2 as follows:**  
 60,567# 20/40 sand in 539 bbbls of Lightning 17 frac fluid. Treated @ ave pressure of 1879 w/ ave rate of 23.3 bpm w/ 8 ppg of sand. Spot 12 bbbls of 15% HCL acid in flush for next stage. ISIP was 2025. Actual flush: 5661 gals.

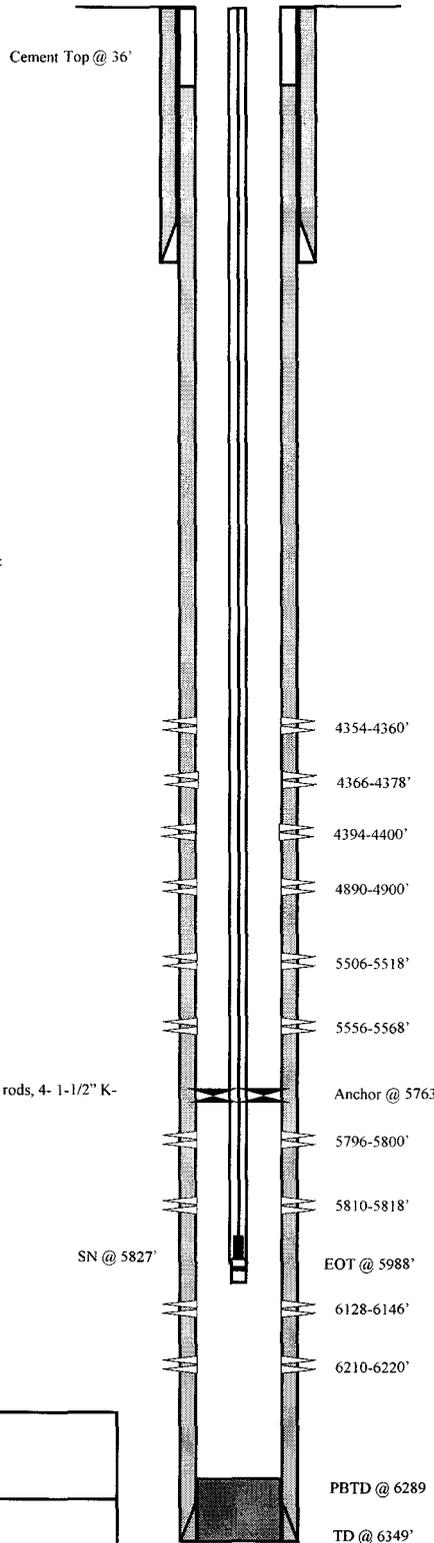
7/26/08 5796-5800' **RU BJ & frac stage #3 as follows:**  
 49,931# 20/40 sand in 472 bbbls of Lightning 17 frac fluid. Treated @ ave pressure of 1883 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbbls of 15% HCL acid in flush for next stage. ISIP was 2032. Actual flush: 5350 gals.

5/29/08 5506-5518' **RU BJ & frac stage #4 as follows:**  
 70,562# 20/40 sand in 590 bbbls of Lightning 17 frac fluid. Treated @ ave pressure of 2471 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbbls of 15% HCL acid in flush for next stage. ISIP was 2252. Actual flush: 4998 gals.

7/26/08 4890-4900' **RU BJ & frac stage #5 as follows:**  
 70,056# 20/40 sand in 570 bbbls of Lightning 17 frac fluid. Treated @ ave pressure of 1987 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbbls of 15% HCL acid in flush for next stage. ISIP was 2066. Actual flush: 4426 gals.

7/26/08 4354-4360' **RU BJ & frac stage #6 as follows:**  
 76,919# 20/40 sand in 631 bbbls of Lightning 17 frac fluid. Treated @ ave pressure of 1865 w/ ave rate of 25 bpm w/ 8 ppg of sand. ISIP was 1942. Actual flush: 4351 gals.

3/5/2010 Pump Change. Update rod and tubing details.



### PERFORATION RECORD

Depth Range	Number of Stages	Holes per Stage	Total Holes
4354-4360'	4 JSPF	24 holes	96 holes
4366-4378'	4 JSPF	48 holes	192 holes
4394-4400'	4 JSPF	24 holes	96 holes
4890-4900'	4 JSPF	40 holes	160 holes
5506-5518'	4 JSPF	48 holes	192 holes
5556-5568'	4 JSPF	48 holes	192 holes
5796-5800'	4 JSPF	16 holes	64 holes
5810-5818'	4 JSPF	32 holes	128 holes
6128-6146'	4 JSPF	72 holes	288 holes
6210-6220'	4 JSPF	40 holes	160 holes



**West Point Fed #J-7-9-16**  
 2068' FNL & 757' FEL  
 SE/NE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33708; Lease #UTU-74390

# West Point Fed #I-7-9-16

Spud Date: 4/23/08  
 Put on Production: 6/4/08  
 GL: 5911' KB: 5923'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts (308.39')  
 DEPTH LANDED: 318.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts (6332.50) Includes Shoe Jt (41.88')  
 DEPTH LANDED: 6332'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sx Premlite II and 425 sx 50/50 Poz  
 CEMENT TOP AT: 74'

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts (5792.8')  
 TUBING ANCHOR: 5792.8' KB  
 NO. OF JOINTS: 1 jt (30.9')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5826.4' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 TOTAL STRING LENGTH: EOT @ 5891'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 2', 6', 8' x 7/8" pony rods, 228- 7/8" scraped rods, 4-1 1/2" weight rods  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
 STROKE LENGTH: 124"  
 PUMP SPEED, SPM: 6

### FRAC JOB

5/29/08 5833-5854' **Frac CP2 sds as follows:**  
 89,929# 20/40 sand in 710 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1557 psi @ ave rate of 26.2 BPM. ISIP 1932 psi.

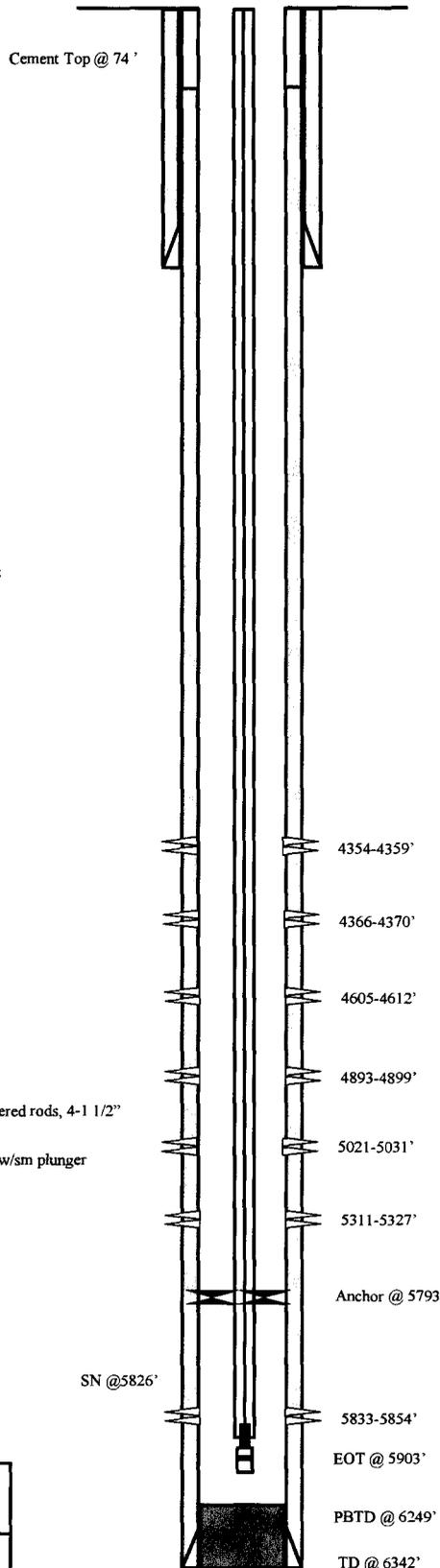
5/29/08 5311-5327' **Frac A1 sds as follows:**  
 114,824# 20/40 sand in 849 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1718 psi @ ave rate of 26 BPM. ISIP 2230 psi.

5/29/08 5021-5031' **Frac C sds as follows:**  
 39,618# 20/40 sand in 402 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2103 psi @ ave rate of 23.2 BPM. ISIP 2228 psi.

5/29/08 4893-4899' **Frac D1 sds as follows:**  
 15,249# 20/40 sand in 270 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2218 psi @ ave rate of 23.3 BPM. ISIP 2058 psi.

5/29/08 4605-4612' **Frac PB10 sds as follows:**  
 24,969# 20/40 sand in 332 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2390 psi @ ave rate of 23.1 BPM. ISIP 2270 psi.

5/29/08 4366-4370' **Frac GB4 sds as follows:**  
 31,417# 20/40 sand in 374 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2111 psi @ ave rate of 23.2 BPM. ISIP 2070 psi.



### PERFORATION RECORD

Interval	Number of JSPF	Number of Holes
4354-4359'	4 JSPF	20 holes
4366-4370'	4 JSPF	16 holes
4605-4612'	4 JSPF	28 holes
4893-4899'	4 JSPF	24 holes
5021-5031'	4 JSPF	40 holes
5311-5327'	4 JSPF	64 holes
5833-5854'	4 JSPF	84 holes

**NEWFIELD**

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**West Point Fed #I-7-9-16**  
 551' FNL & 1910' FEL  
 NW/NE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33710; Lease #UTU-74390

## West Point Fed Q-8-9-16

Spud Date: 9/1/2009  
 Put on Production: 10/12/2009  
 GL: 5959' KB: 5971'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309.05')  
 DEPTH LANDED: 320.90'  
 CEMENT DATA: 160 sx class 'g' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts (6554')  
 DEPTH LANDED: 6273.90'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 270 sx prmlite and 360 sx 50/50 poz  
 CEMENT TOP AT: 0'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 181 jts (5795.3')  
 TUBING ANCHOR: 5807' KB  
 NO. OF JOINTS: 2 jts (63.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5875' KB  
 NO. OF JOINTS: 2 jts (64.7')  
 TOTAL STRING LENGTH: EOT @ 5940'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 30"  
 SUCKER RODS: 4-1 1/2" weight rods, 230- 7/8" (8 per) guided rods, 2', 4', 6' x 7/8" pony rods.  
 PUMP SIZE: TIH w/ 2-1/2" x 1-3/4" x 20' x 24' RHAC ctrl hydric pump  
 STROKE LENGTH: 144"  
 PUMP SPEED, SPM: 5

#### FRAC JOB

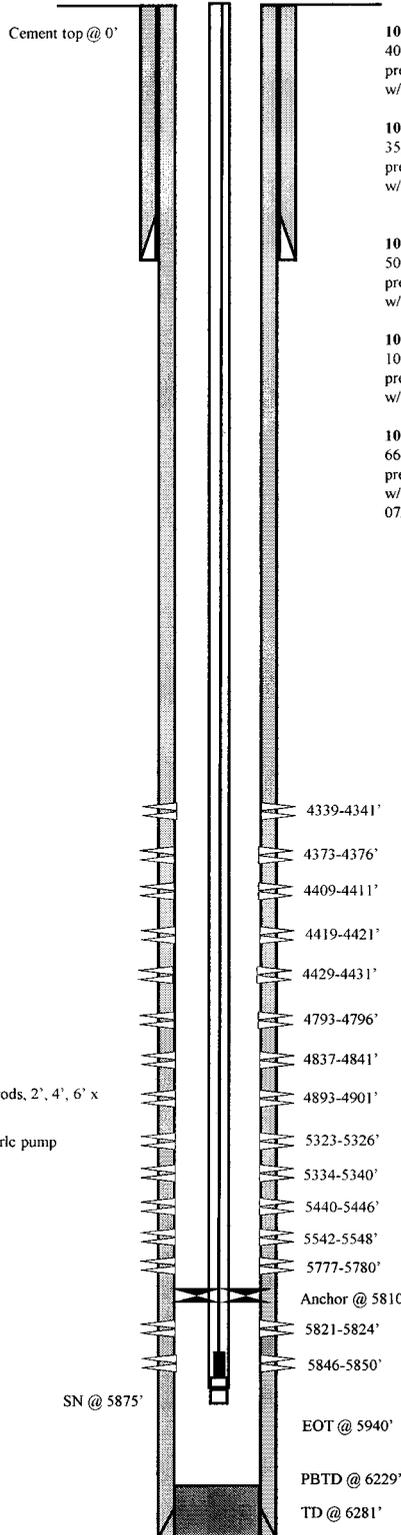
10/6/2009 5777-5850' Frac CP.5, CP1, CP2 sds as follows:  
 40,866# sand in 438 bbbls of lightning 17 frac fluid. Treated @ ave pressure of 2228 w/ ave rate of 35 bpm w/ 8 ppg of sand. ISIP was 2061 w/ .80FG. 5 min was 1841. 10 min was 1774. 15 min was 1702.

10/6/2009 5440-5548' Frac LODC sds as follows:  
 35,697# sand in 400 bbbls of lightning 17 frac fluid. Treated @ ave pressure of 2801 w/ ave rate of 40 bpm w/ 8 ppg of sand. ISIP was 2446 w/ .89FG.

10/6/2009 5323-5340' Frac A3 sds as follows:  
 50,130# sand in 469 bbbls of lightning 17 frac fluid. Treated @ ave pressure of 2548 w/ ave rate of 33 bpm w/ 8 ppg of sand. ISIP was 2192 w/ .85FG.

10/6/2009 4793-4901' Frac D1, DS3, DS1 sds as follows:  
 100,980# sand in 752 bbbls of lightning 17 frac fluid. Treated @ ave pressure of 2396 w/ ave rate of 48 bpm w/ 8 ppg of sand. ISIP was 2080 w/ .87FG. 5 min was 1900. 10 min was 1841. 15 min was 1786.

10/6/2009 4339-4431' Frac GB6 GB4 sds as follows:  
 66,307# sand in 557 bbbls of lightning 17 frac fluid. Treated @ ave pressure of 2396 w/ ave rate of 48 bpm w/ 8 ppg of sand. ISIP was 2001 w/ .90FG.  
 07/24/10 Pump Change. Rod & Tubing updated.



#### PERFORATION RECORD

10/6/09	5846-5850'	3 JSPF	12 holes
10/6/09	5821-5824'	3 JSPF	9 holes
10/6/09	5777-5780'	3 JSPF	9 holes
10/6/09	5542-5548'	3 JSPF	18 holes
10/6/09	5440-5446'	3 JSPF	18 holes
10/6/09	5334-5340'	3 JSPF	18 holes
10/6/09	5323-5326'	3 JSPF	9 holes
10/6/09	4893-4901'	3 JSPF	24 holes
10/6/09	4837-4841'	3 JSPF	12 holes
10/6/09	4793-4796'	3 JSPF	9 holes
10/6/09	4429-4431'	3 JSPF	6 holes
10/6/09	4419-4421'	3 JSPF	6 holes
10/6/09	4409-4411'	3 JSPF	6 holes
10/6/09	4373-4376'	3 JSPF	9 holes
10/6/09	4339-4341'	3 JSPF	6 holes

**NEWFIELD**

**West Point Fed Q-8-9-16**

785' FSL & 1998' FWL  
 SE/SW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33882; Lease # UTU-74390

## FEDERAL 10-8-9-16

Spud Date: 1/10/07  
 Put on Production: 03/20/07  
 GL: 5883' KB: 5895'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (291.07')  
 DEPTH LANDED: 302.92' 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: 140 jts. (6164.87')  
 DEPTH LANDED: 6178.12' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 48'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 181 jts (5652')  
 TUBING ANCHOR: 5664'  
 NO. OF JOINTS: 2 jts (63.2')  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 5730'  
 NO. OF JOINTS: 2 jts (60.4')  
 TOTAL STRING LENGTH: EOT @ 5792'

#### SUCKER RODS

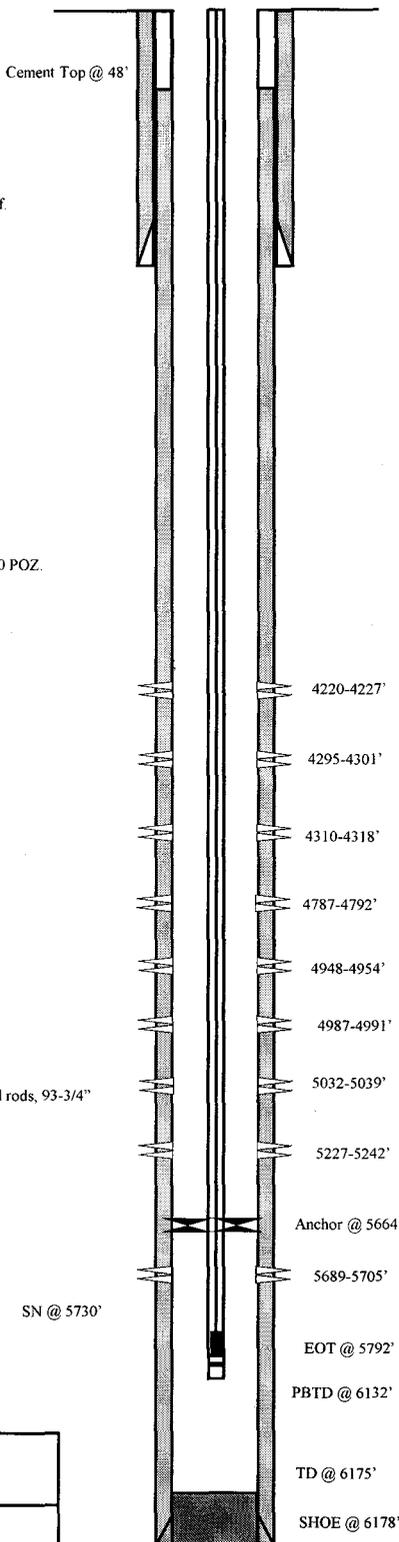
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2', 1-4', 1-8' x 3/4" ponies, 99-3/4" scraped rods, 93-3/4" plain rods, 30-3/4" scraped rods 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 16' RHAC w/ sm Plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM

#### FRAC JOB

03/14/07	5689-5705'	<b>Frac C P1 sands as follows:</b> 70351# 20/40 sand in 534 bbls Lightning 17 frac fluid. Treated @ avg press of 1715 psi w/avg rate of 25.3 BPM. ISIP 1865 psi. Calc flush: 5687 gal. Actual flush: 5166 gal.
02/26/07	5227-5242'	<b>Frac A1 sands as follows:</b> 70779# 20/40 sand in 576 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 25.3 BPM. ISIP 2700 psi. Calc flush: 5225 gal. Actual flush: 4746 gal.
03/15/07	5039-4948'	<b>Frac C &amp; B1 sands as follows:</b> 60243# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1637 psi w/avg rate of 25.2 BPM. ISIP 1750 psi. Calc flush: 5037 gal. Actual flush: 4444 gal.
03/15/07	4787-4792'	<b>Frac D1 sands as follows:</b> 14960# 20/40 sand in 232 bbls Lightning 17 frac fluid. Treated @ avg press of 1909 psi w/avg rate of 25.3 BPM. ISIP 1740 psi. Calc flush: 4785 gal. Actual flush: 4240 gal.
03/15/07	4318-4295'	<b>Frac GB6 sands as follows:</b> 40023# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 1617 psi w/avg rate of 14.7 BPM. ISIP 2025 psi. Calc flush: 4316 gal. Actual flush: 3822 gal.
03/01/07	4220-4227'	<b>Frac GB4 sands as follows:</b> 23024# 20/40 sand in 251 bbls Lightning 17 frac fluid. Treated @ avg press of 2030 psi w/avg rate of 25.2 BPM. ISIP 2030 psi. Calc flush: 4218 gal. Actual flush: 4116 gal.
11-30-07		Pump Change. Updated rod & tubing details.
2/22/08		Pump change. Updated rod & tubing details.
3/23/09		Pump change. Updated r & t details.
10/8/09		Parted rods. Updated rod & tubing details.
1/23/2010		Tubing Leak. Update rod and tubing details.

#### PERFORATION RECORD

03/07/07	5689-5705'	4 JSPF	64 holes
03/14/07	5227-5242'	4 JSPF	60 holes
03/14/07	5032-5039'	4 JSPF	28 holes
03/14/07	4987-4991'	4 JSPF	16 holes
03/14/07	4948-4954'	4 JSPF	24 holes
03/14/07	4787-4792'	4 JSPF	20 holes
03/15/07	4310-4318'	4 JSPF	32 holes
03/15/07	4295-4301'	4 JSPF	24 holes
03/15/07	4220-4227'	4 JSPF	28 holes



**NEWFIELD**

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**FEDERAL 10-8-9-16**  
 1837'FSL & 1994' FEL  
 NW/SE Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-047-33059; Lease # UTU-64379

## GMBU V-7-9-16

Spud Date: 11/18/2011  
 PWOP: 01/06/2012  
 GL: 5887' KB: 5897'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (317.3')  
 DEPTH LANDED: 327.61' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (6203.21') Includes Shoe Joint (21.74')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6218.82' KB  
 CEMENT DATA: 235 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 67'

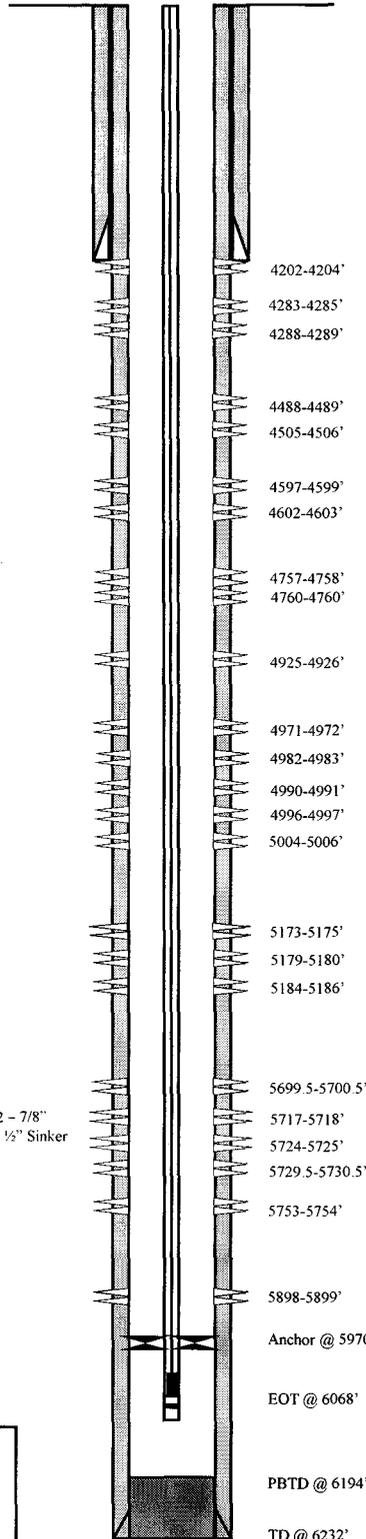
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 188 jts. (5960.')

TUBING ANCHOR: 5970' KB  
 NO. OF JOINTS: 1 jt. (31.3')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 6004.1' KB  
 NO. OF JOINTS: 2 jts. (62.6')  
 NOTCHED COLLAR: 6067.8' KB  
 TOTAL STRING LENGTH: EOT @ 6068'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 6' Pony Rod, 72 - 7/8" 8per Guided Rods (1800'), 156 - 3/4" 4per Guided Rods (3900'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1" Stabilizer Bars (20')  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 24' RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM



### FRAC JOB

12/14/2011 5700-5899' **Frac CP1, CP2 & CP4, sands as follows:**  
 Frac with 39522# 20/40 white sand in 487 bbls lightning 17 fluid; 691 bbls total fluid to recover.

12/22/2011 5173-5186' **Frac A1, sands as follows:**  
 Frac with 30094# 20/40 white sand in 242 bbls lightning 17 fluid; 386 bbls total fluid to recover.

12/22/2011 4925-5006' **Frac B.5, Bi-Carb & C, sands as follows:**  
 Frac with 60536# 20/40 white sand in 471 bbls lightning 17 fluid; 589 bbls total fluid to recover.

12/22/2011 4488-4760' **Frac D1, PB10 & X-stray, sands as follows:**  
 Frac with 90078# 20/40 white sand in 660 bbls lightning 17 fluid; 767 bbls total fluid to recover.

12/22/2011 4202-4289' **Frac GB2 & GB6, sands as follows:**  
 Frac with 36666# 20/40 white sand in 307 bbls lightning 17 fluid; 385 bbls total fluid to recover.

### PERFORATION RECORD

5898-5899'	3 JSPP	3 holes
5753-5754'	3 JSPP	3 holes
5729.5-5730.5'	3 JSPP	3 holes
5724-5725'	3 JSPP	3 holes
5717-5718'	3 JSPP	3 holes
5699.5-5700.5'	3 JSPP	3 holes
5184-5186'	3 JSPP	6 holes
5179-5180'	3 JSPP	3 holes
5173-5175'	3 JSPP	6 holes
5004-5006'	3 JSPP	6 holes
4996-4997'	3 JSPP	3 holes
4990-4991'	3 JSPP	3 holes
4982-4983'	3 JSPP	3 holes
4971-4972'	3 JSPP	3 holes
4925-4926'	3 JSPP	3 holes
4760-4760'	3 JSPP	3 holes
4757-4758'	3 JSPP	3 holes
4602-4603'	3 JSPP	3 holes
4597-4599'	3 JSPP	6 holes
4505-4506'	3 JSPP	3 holes
4488-4489'	3 JSPP	3 holes
4288-4289'	3 JSPP	3 holes
4283-4285'	3 JSPP	6 holes
4202-4204'	3 JSPP	6 holes

**NEWFIELD**



**GMBU V-7-9-16**

661' FNL & 1979' FEL (NW/NE)

Section 18, T9S, R16E

Duchesne County, Utah

API #43-013-50700; Lease # UTU-74390

## GMBU D-17-9-16

Spud Date: 11/17/2011  
 PWOP: 01/24/2012  
 GL: 5984' KB: 5997'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (317.6')  
 DEPTH LANDED: 330.92' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

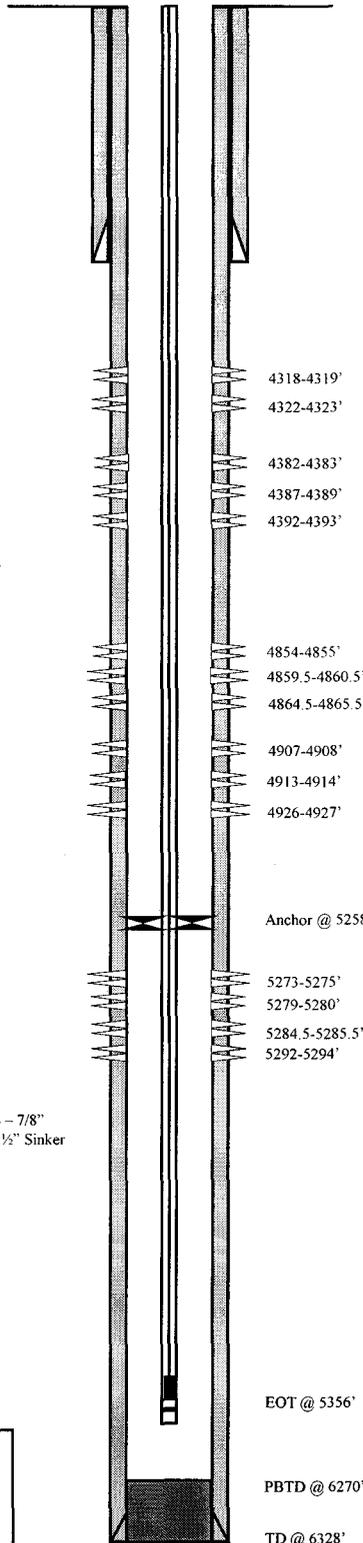
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 155 jts. (6296.11') Shoe Joint (41.83')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6314.72' KB  
 CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 200'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 168 jts. (5245.1')  
 TUBING ANCHOR: 5258.1' KB  
 NO. OF JOINTS: 1 jt. (31.4')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5292.3' KB  
 NO. OF JOINTS: 2 jts. (62.7')  
 NOTCHED COLLAR: 5356.0' KB  
 TOTAL STRING LENGTH: EOT @ 5356'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 66 - 7/8" 4per Guided Rods (1650'), 138 - 3/4" 4per Guided Rods (3450'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1" Guided Rods (20')  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 21' x 24' RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM



### FRAC JOB

01/12/2012 5273-5294' **Frac A1, sands as follows:**  
 Frac with 65477# 20/40 white sand in 519 bbbs lightning 17 fluid, 699 bbbs total fluid to recover.

01/14/2012 4854-4927' **Frac D1 & D2, sands as follows:**  
 Frac with 130430# 20/40 white sand in 1025 bbbs lightning 17 fluid; 1141 bbbs total fluid to recover.

01/14/2012 4318-4393' **Frac GB4 & GB6, sands as follows:**  
 Frac with 62853# 20/40 white sand in 510 bbbs lightning 17 fluid; 612 bbbs total fluid to recover.

### PERFORATION RECORD

Depth (ft)	Perforation Type	Holes
5292-5294'	3 JSPF	6 holes
5284.5-5285.5'	3 JSPF	3 holes
5279-5280'	3 JSPF	3 holes
5273-5275'	3 JSPF	6 holes
4926-4927'	3 JSPF	3 holes
4913-4914'	3 JSPF	3 holes
4907-4908'	3 JSPF	3 holes
4864.5-4865.5'	3 JSPF	3 holes
4859.5-4860.5'	3 JSPF	3 holes
4854-4855'	3 JSPF	3 holes
4392-4393'	3 JSPF	3 holes
4387-4389'	3 JSPF	3 holes
4382-4383'	3 JSPF	3 holes
4322-4323'	3 JSPF	3 holes
4318-4319'	3 JSPF	3 holes



**NEWFIELD**  
**GMBU D-17-9-16**  
 578' FSL & 791' FWL (SW/SW)  
 Section 8, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-50701; Lease # UTU-74390

## Nine Mile 10-7-9-16

Spud Date: 12/1/97  
 Put on Production: 1/10/98  
 GL: 5850' KB: 5862'

Initial Production:  
 150 BOPD, 186 MCFPD, 30 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290')  
 DEPTH LANDED: 303' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Premium cmt, est 4 bbls to surf.

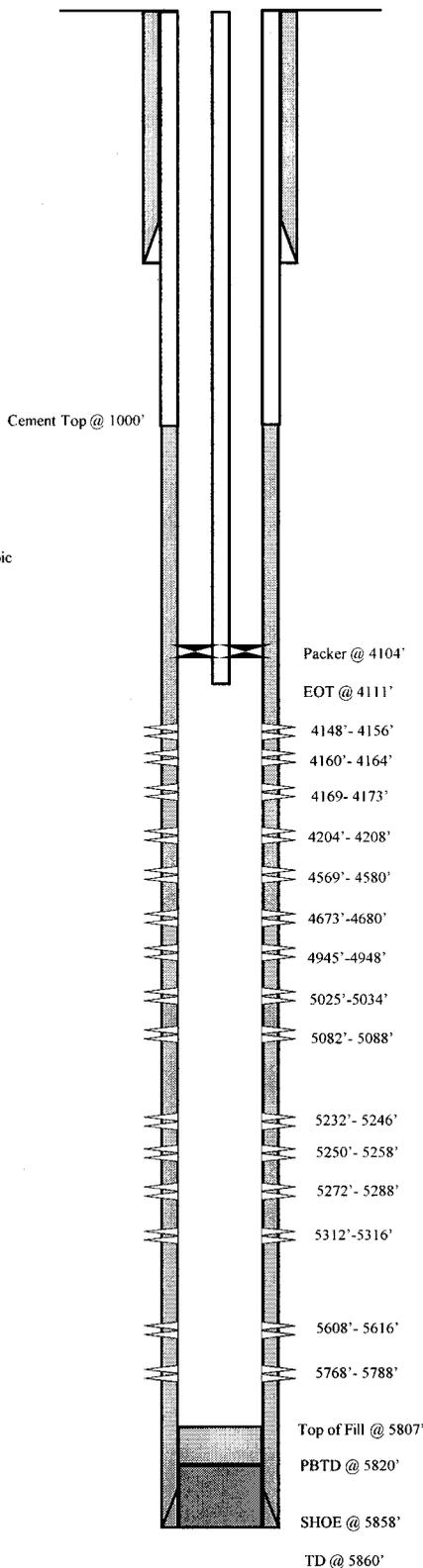
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5847')  
 DEPTH LANDED: 5858' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sxs Hibond mixed & 360 sxs thixotropic  
 CEMENT TOP AT: 1000'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 131 jts (4090.9')  
 SN LANDED AT: 4102.9' KB  
 CE @ 4103.9  
 TOTAL STRING LENGTH: EOT @ 4111'

### Injection Wellbore Diagram



### FRAC JOB

Date	Depth Range	Job Description
12/30/97	5608'-5788'	<b>Frac CP sand as follows:</b> 129,100# of 20/40 sd in 627 bbls Delta Frac. Treated @ avg rate 35 bpm, avg press 1600 psi. ISIP-2029 psi. Calc. flush: 5608 gal. Actual flush: 5551 gal.
1/1/98	5232'-5316'	<b>Frac LDC sand as follows:</b> 125,400# of 20/40 sd in 560 bbls Delta Frac. Treated @ avg rate of 30.3 BPM, avg press 2600 psi. ISIP-2892 psi. Calc. flush: 5232 gal. Actual flush: 5198 gal.
1/4/98	4945'-5088'	<b>Frac A sand as follows:</b> 127,200# 20/40 sand in 608 bbls Delta Frac. Treated w/avg press of 2493 psi w/avg rate of 35 BPM. ISIP - 3120 psi. Calc. flush: 4945 gal. Actual flush: 4844 gal.
1/8/98	4569'-4580'	<b>Frac YDC sands as follows:</b> 59,000# 20/40 sand in 374 bbls of Delta Frac. Treated @ avg press of 2800 psi w/avg rate of 27 BPM. ISIP-3904 psi. Screened out w/ 1146 gal flush remaining. Calc. flush: 4569 gal. Actual flush: 3337 gal.
4/16/99		<b>Pump change.</b> Update rod and tubing details.
5/5/03	4673'-4680'	<b>Frac D1 sand as follows:</b> 25,028# 20/40 sand in 218 bbls of Viking I-25 fluid. Treated @ avg press of 2661 psi w/avg rate of 16 BPM. ISIP-1720 psi. Calc flush: 1204 gal. Actual flush: 1134 gal.
5/5/03	4148'-4208'	<b>Frac GB4 sand as follows:</b> 49,527# 20/40 sand in 400 bbls of Viking I-25 fluid. Treated @ avg press of 1679 psi w/avg rate of 22 BPM. ISIP-2070 psi. Calc. flush: 4146 gal. Actual flush: 4074 gal.
5/5/04		<b>Parted rods.</b> Update rod detail.
01/10/06		<b>Pump change.</b> Update rod and tubing details.
05/04/06		<b>Pump change.</b> Update tubing & rod detail
7/22/08		<b>Pump change.</b> Updated rod and tubing detail
03/03/10		<b>Convert to Injection Well</b>
03/09/10		<b>MIT Completed - tbg detail updated</b>

### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
12/25/97	5608'-5616'	4 JSPF	32 holes
12/25/97	5768'-5788'	4 JSPF	80 holes
12/31/97	5232'-5246'	4 JSPF	56 holes
12/31/97	5250'-5258'	4 JSPF	32 holes
12/31/97	5272'-5288'	4 JSPF	64 holes
12/31/97	5312'-5316'	4 JSPF	16 holes
1/3/98	4945'-4948'	4 JSPF	12 holes
1/3/98	5025'-5034'	4 JSPF	36 holes
1/3/98	5082'-5088'	4 JSPF	24 holes
1/6/98	4569'-4580'	4 JSPF	44 holes
05/2/03	4673'-4680'	4 JSPF	28 holes
05/2/03	4204'-4208'	4 JSPF	16 holes
05/2/03	4169'-4173'	4 JSPF	16 holes
5/02/03	4160'-4164'	4 JSPF	16 holes
5/02/03	4148'-4156'	4 JSPF	32 holes



**Nine Mile 10-7-9-16**  
 2131' FSL & 1910' FEL  
 NW/SE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31773; Lease #UTU-74390

## Nine Mile 16-7-9-16

Spud Date: 3/23/98  
 Put on Production: 4/13/01  
 GL: 5999' KB: 6009'

Initial Production: 205.5BOPD,  
 442.1 MCFD, 70 BWPD

Injection Wellbore  
 Diagram

### SURFACE CASING

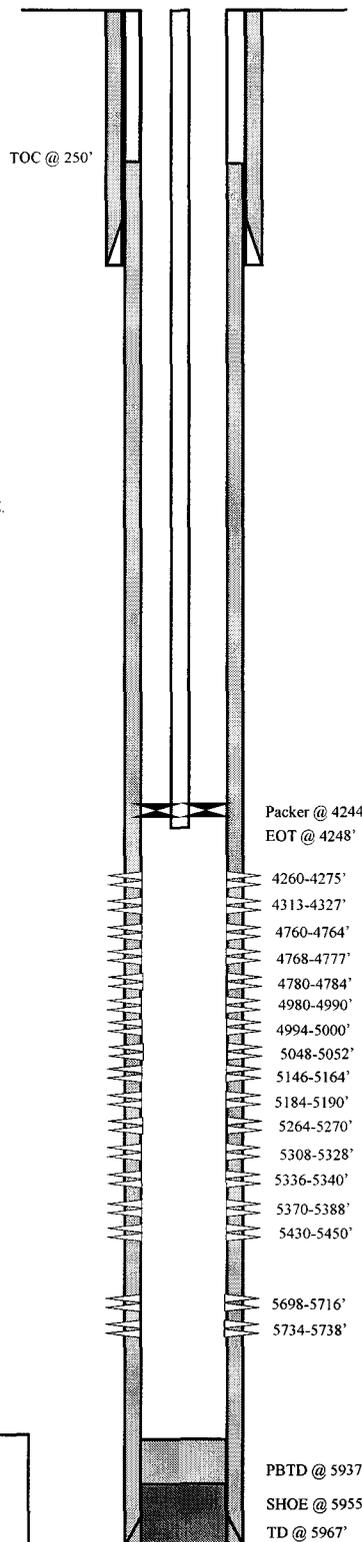
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294.6')  
 DEPTH LANDED @ 305.10'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. 5959.62'  
 DEPTH LANDED @ 5955.22'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 250'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 136 jts (4229.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4239.4' KB  
 CE @ 4243.7'  
 TOTAL STRING LENGTH: EOT @ 4248'



### FRAC JOB

4/3/01	5698-5738'	<b>Frac CP sands as follows:</b> Frac with 91,020# 20/40 sand in 674 bbls Viking I-25 fluid. Perfs broke down @ 2126 psi. Treated @ avg press of 1700 psi w/avg rate of 29.3 BPM. ISIP 1850 psi.
4/4/01	5370'-5450'	<b>Frac LDC sand as follows:</b> Frac with 161,000# 20/40 sand in 1046 bbls Viking I-25 fluid. Treated @ avg press of 2700 psi w/avg rate 28.7 BPM. ISIP 3090 psi.
4/5/01	5264-5340'	<b>Frac A-3/LDC sands as follows:</b> Frac w/140,400# 20/40 sand in 925 bbls Viking I-25 fluid. Perfs broke down @ 3121 psi. Treated @ avg press of 2550 psi w/avg rate of 31 BPM. ISIP 2530 psi.
4/6/01	5146-5190'	<b>Frac A sands as follows:</b> Frac with 130,440# 20/40 sand in 852 bbls Viking I-25 fluid. Perfs broke down @ 2700 psi. Treated @ avg press of 2050 psi w/avg rate of 30.3 BPM. ISIP 1950 psi.
4/9/01	4980-5052'	<b>Frac B sand as follows:</b> Frac with 94,800# 20/40 sand in 648 bbls Viking I-25 fluid. Perfs broke down @ 2500 psi. Treated @ avg press of 2050 psi w/avg rate 27.3 BPM. ISIP 2020 psi.
4/10/01	4760-4784'	<b>Frac D sands as follows:</b> Frac with 82,840# 20/40 sand in 544 bbls Viking I-25 fluid. Perfs broke down @ 2581 psi. Treated @ avg press of 1800 psi w/avg rate of 29.2 BPM. ISIP 2010 psi.
2/20/02		<b>Tubing leak.</b> Update rod and tubing details.
1/22/04		<b>Pump change.</b> Update rod and tubing details.
11/10/04	4313-4327'	<b>Frac GB6 sands as follows:</b> 25,477# 20/40 sand in 318 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 25 BPM. ISIP 1880 psi. Calc. flush: 4311 gals. Actual flush: 4102 gals.
11/10/04	4260-4275'	<b>Frac GB4 sands as follows:</b> 62,560# 20/40 sand in 443 bbls Lightning 17 frac fluid. Treated @ avg press of 2297 psi w/avg rate of 25 BPM. ISIP 2310 psi. Calc. flush: 4258 gals. Actual flush: 4049 gals.
08/10/06		<b>Pump Change.</b> Update rod and tubing details.
08/09/10		<b>Convert to injection well</b>
08/12/10		<b>MIT Completed</b> - tbg detail updated

### PERFORATION RECORD

4/3/01	5734'-5738'	4 JSPF	16 holes
4/3/01	5698'-5716'	4 JSPF	72 holes
4/4/01	5430'-5450'	4 JSPF	80 holes
4/4/01	5370'-5388'	4 JSPF	72 holes
4/5/01	5336'-5340'	4 JSPF	16 holes
4/5/01	5308'-5328'	4 JSPF	80 holes
4/5/01	5264'-5270'	4 JSPF	24 holes
4/6/01	5184'-5190'	4 JSPF	24 holes
4/6/01	5146'-5164'	4 JSPF	72 holes
4/9/01	5048'-5052'	4 JSPF	16 holes
4/9/01	4994'-5000'	4 JSPF	24 holes
4/9/01	4980'-4990'	4 JSPF	40 holes
4/9/01	4780'-4784'	4 JSPF	16 holes
4/9/01	4768'-4777'	4 JSPF	36 holes
4/9/01	4760'-4764'	4 JSPF	16 holes
11/9/04	4313'-4327'	2 JSPF	28 holes
11/10/04	4260'-4275'	2 JSPF	30 holes

**NEWFIELD**

NINE MILE 16-7-9-16

660' FSL & 660' FEL

SESE Section 7-T9S-R16E

Duchesne Co, Utah

API #43-013-31804; Lease #UTU-74390

## Nine Mile 7-7-9-16

Spud Date: 11/20/97  
 Put on Production: 1/12/98  
 GL: 5929' KB: 5941'

Initial Production: 241 BOPD,  
 211 MCFPD, 8 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

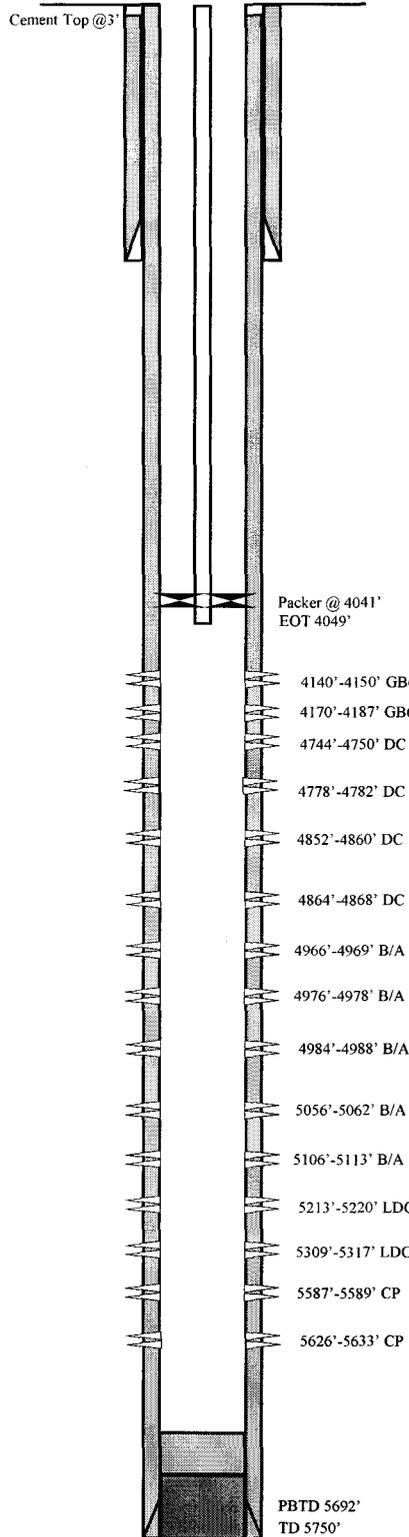
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 288'  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 350 sxs Premium cmt, est 6 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5728')  
 DEPTH LANDED: 5739'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 370 sxs Hibond mixed & 320 sxs thixotropic  
 CEMENT TOP AT: 3' below ground level

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4030.77')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4040.77 KB  
 TUBING PACKER: 4041.87'  
 TOTAL STRING LENGTH: EOT @ 4049.18'



#### FRAC JOB

**12/30/97 5587'-5633'** **Frac CP sand as follows:**  
 104,300# of 20/40 sd in 518 bbls Delta Frac. Treated @ avg rate 28.5 bpm, avg press 1550 psi. Breakdown @ 2735 psi. ISIP-2058 psi, 5-min 1809 psi. Flowback for 3-1/2 hrs & died.

**1/1/98 5213'-5317'** **Frac LDC sand as follows:** 104,300# of 20/40 sd in 521 bbls Delta Frac. Breakdown @ 2521 psi. Treated @ avg rate of 30.1 BPM, avg press 2225 psi. ISIP-2339 psi, 5-min 2228 psi. Flowback on 12/64" ck for 4 hrs & died.

**1/6/98 4966'-5113'** **Frac B/A sands as follows:**  
 118,400# 20/40 sand in 585 bbls Delta Frac. Breakdown @ 1585 psi. Treated w/avg press of 1890 psi w/avg rate of 34.5 BPM. ISIP - 1964 psi, 5 min 1857 psi. Flowback on 12/64" ck for 2 hrs & died.

**1/9/98 4744'-4868'** **Frac D/C sands as follows:**  
 1048,300# 20/40 sand in 502 bbls of Delta Frac. Breakdown @ 2414 psi. Treated @ avg press of 1850 psi w/avg rate of 32.3 BPM. ISIP-2084 psi, 5 min 1937 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.

**12/6/01** **Open new perms. Break perf down.**  
**12/7/01** **Convert to injector.**  
**11/21/06** **5 Year MIT completed on 11/15/06 and submitted on 11/21/06.**

4140'-4150' GB6  
 4170'-4187' GB6  
 4744'-4750' DC  
 4778'-4782' DC  
 4852'-4860' DC  
 4864'-4868' DC  
 4966'-4969' B/A  
 4976'-4978' B/A  
 4984'-4988' B/A  
 5056'-5062' B/A  
 5106'-5113' B/A  
 5213'-5220' LDC  
 5309'-5317' LDC  
 5587'-5589' CP  
 5626'-5633' CP

#### PERFORATION RECORD

Date	Depth	Tool	Holes
12/24/97	5587'-5589'	4 JSPF	8 holes
12/24/97	5626'-5633'	4 JSPF	28 holes
12/31/97	5213'-5220'	4 JSPF	28 holes
12/31/97	5309'-5317'	4 JSPF	32 holes
01/04/98	4966'-4969'	4 JSPF	12 holes
01/04/98	4976'-4978'	4 JSPF	8 holes
01/04/98	4984'-4988'	4 JSPF	16 holes
01/04/98	5056'-5062'	4 JSPF	24 holes
01/04/98	5106'-5113'	4 JSPF	28 holes
01/08/98	4744'-4750'	4 JSPF	24 holes
01/08/98	4778'-4782'	4 JSPF	16 holes
01/08/98	4852'-4860'	4 JSPF	32 holes
01/08/98	4864'-4868'	4 JSPF	16 holes
12/06/01	4170'-4187'	4 JSPF	68 holes
12/06/01	4140'-4150'	4 JSPF	40 holes



Nine Mile 7-7-9-16  
 2048' FNL & 1769' FEL  
 SWNE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31778; Lease #U-74390

# West Point 4-17-9-16

Spud Date: 11/13/2001  
 Put on Production: 7/23/02  
 GL: 6014' KB: 6024'

Initial Production: 39 BOPD,  
 915 MCFD, 3 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.67')  
 DEPTH LANDED: 303.67' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

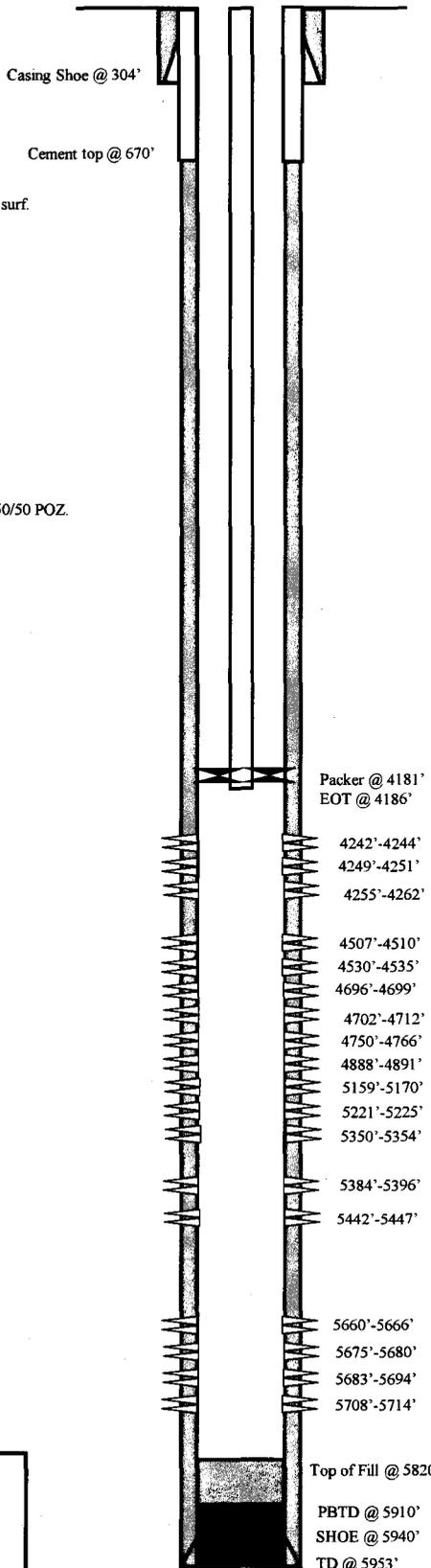
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5943.32')  
 DEPTH LANDED: 5940.92' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 670' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4167')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4177' KB  
 CE @ 4181.17'  
 TOTAL STRING LENGTH: EOT @ 4186' KB

### FRAC JOB

7/16/02	5660'-5714'	<b>Frac CP1,2,3 sand as follows:</b> 75,449# 20/40 sand in 590 bbls Viking I-25 fluid. Treated @ avg press of 1617 psi w/avg rate of 26.1 BPM. ISIP 2180 psi. Calc flush: 5660 gal. Actual flush: 5565 gal.
7/16/02	5159'-5447'	<b>Frac A3, LODC sands as follows:</b> 99,628# 20/40 sand in 699 bbls Viking I-25 fluid. Treated @ avg press of 2039 psi w/avg rate of 26.1 BPM. ISIP 2880 psi. Calc flush: 5159 gal. Actual flush: 5061 gal.
7/16/02	4696-4891'	<b>Frac DS3, D1, A3 sands as follows:</b> 90,540# 20/40 sand in 625 bbls Viking I-25 fluid. Treated @ avg press of 1505 psi w/avg rate of 25.4 BPM. ISIP 2130 psi. Calc flush: 4696 gal. Actual flush: 4599 gal.
7/16/02	4242'-4535'	<b>Frac GB4, PB10, PB11 sands as follows:</b> 61,611# 20/40 sand in 458 bbls Viking I-25 fluid. Treated @ avg press of 1969 psi w/avg rate of 25.9 BPM. ISIP 2200 psi. Calc flush: 4242 gal. Actual flush: 4158 gal.
1/22/04		<b>Pump Change.</b>
2/2/04		<b>Pump Change.</b> Update rod and tubing details.
03/19/04		<b>Pump Change.</b>
5/9/05		<b>Tubing leak.</b> Update rod and tubing details.
02/21/06		<b>Tubing leak.</b>
02/22/06		<b>Tubing leak.</b> Update rod and tubing details.
07-12-06		<b>Pump Change.</b> Update rod & tubing details
03/23/11		<b>Pump Change</b> Rod & tubing details updated.
09/23/11		<b>Convert to Injection Well</b>
09/27/11		<b>Conversion MIT Finalized</b> - update tbg detail



### PERFORATION RECORD

Date	Interval	Tool	Holes
7/12/02	5708'-5714'	4 JSPF	24 holes
7/12/02	5683'-5694'	4 JSPF	44 holes
7/12/02	5675'-5680'	4 JSPF	20 holes
7/12/02	5660'-5666'	4 JSPF	24 holes
7/16/02	5442'-5447'	4 JSPF	20 holes
7/16/02	5384'-5396'	4 JSPF	48 holes
7/16/02	5350'-5354'	4 JSPF	16 holes
7/16/02	5221'-5225'	4 JSPF	16 holes
7/16/02	5159'-5170'	4 JSPF	44 holes
7/16/02	4888'-4891'	4 JSPF	12 holes
7/16/02	4750'-4766'	4 JSPF	64 holes
7/16/02	4702'-4712'	4 JSPF	40 holes
7/16/02	4696'-4699'	4 JSPF	12 holes
7/16/02	4530'-4535'	4 JSPF	20 holes
7/16/02	4507'-4510'	4 JSPF	12 holes
7/16/02	4255'-4262'	4 JSPF	28 holes
7/16/02	4249'-4251'	4 JSPF	08 holes
7/16/02	4242'-4244'	4 JSPF	08 holes

**NEWFIELD**

**West Point 4-17-9-16**  
 532' FNL & 667' FWL  
 NWNW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32280; Lease #UTU-74390

# GMBU G-8-9-16

Spud Date: 12/05/2011  
 PWOP: 01/31/2012  
 GL: 5940' KB: 5953'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (330.2')  
 DEPTH LANDED: 343.52' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

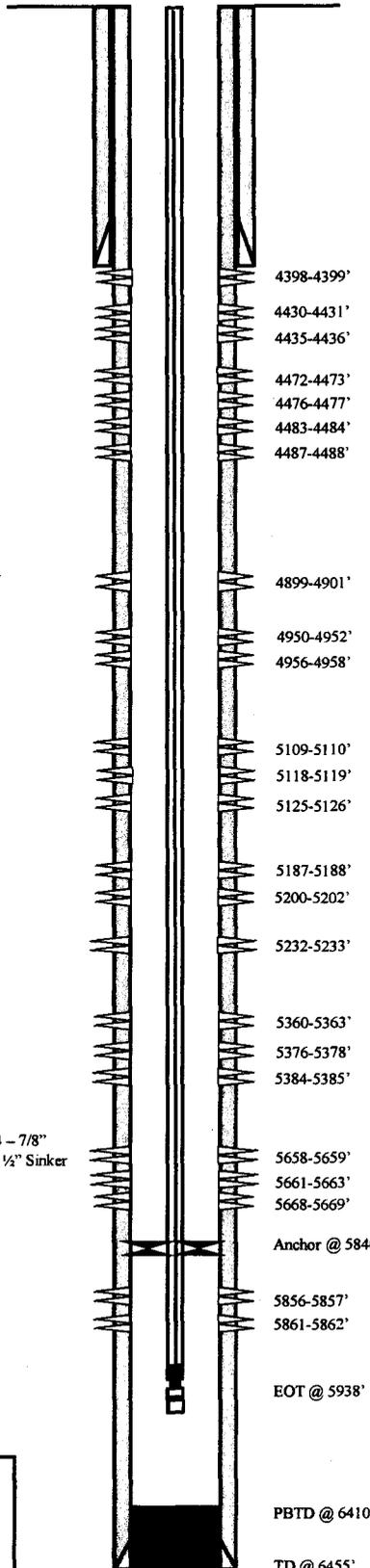
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 157 jts. (6433.6') Includes Shoe Jt (40.63')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6453.21' KB  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 50'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 189 jts (5826.7')  
 TUBING ANCHOR: 5839.7' KB  
 NO. OF JOINTS: 1 jt. (31.3')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5873.8' KB  
 NO. OF JOINTS: 2 jts. (62.5')  
 NOTCHED COLLAR: 5937.4' KB  
 TOTAL STRING LENGTH: EOT @ 5938'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 74 - 7/8" 4per Guided Rods (1850'), 153 - 3/4" 4per Guided Rods (3825'), 5 - 1 1/2" Sinker Bars (125'), 1 - 1" Stabilizer Bar (4')  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20" x 24' RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM



### FRAC JOB

01/20/2012 5658-5862' **Frac CP-Half & LODC, sands as follows:**  
 Frac with 59512# 20/40 white sand in 475 bbls lightning 17 fluid; 657 bbls total fluid to recover.

01/25/2012 5360-5385' **Frac A1, sands as follows:**  
 Frac with 35421# 20/40 white sand in 302 bbls lightning 17 fluid; 439 bbls total fluid to recover.

01/25/2012 5109-5233' **Frac B.5, B1 & C, sands as follows:**  
 Frac with 74948# 20/40 white sand in 589 bbls lightning 17 fluid; 711 bbls total fluid to recover.

01/25/2012 4899-4958' **Frac D1 & DS3, sands as follows:**  
 Frac with 39795# 20/40 white sand in 346 bbls lightning 17 fluid; 462 bbls total fluid to recover.

01/25/2012 4398-4488' **Frac GB2, GB4 & GB6, sands as follows:**  
 Frac with 82976# 20/40 white sand in 551 bbls lightning 17 fluid; 656 bbls total fluid to recover.

### PERFORATION RECORD

Depth	Perforation Type	Number of Holes
5861-5862'	3 JSPF	3 holes
5856-5857'	3 JSPF	3 holes
5668-5669'	3 JSPF	3 holes
5661-5663'	3 JSPF	6 holes
5658-5659'	3 JSPF	3 holes
5384-5385'	3 JSPF	3 holes
5376-5378'	3 JSPF	6 holes
5360-5363'	3 JSPF	9 holes
5232-5233'	3 JSPF	3 holes
5200-5202'	3 JSPF	6 holes
5187-5188'	3 JSPF	3 holes
5125-5126'	3 JSPF	3 holes
5118-5119'	3 JSPF	3 holes
5109-5110'	3 JSPF	3 holes
4956-4958'	3 JSPF	6 holes
4950-4952'	3 JSPF	6 holes
4899-4901'	3 JSPF	6 holes
4487-4488'	3 JSPF	3 holes
4483-4484'	3 JSPF	3 holes
4476-4477'	3 JSPF	3 holes
4472-4473'	3 JSPF	3 holes
4435-4436'	3 JSPF	3 holes
4430-4431'	3 JSPF	3 holes
4398-4399'	3 JSPF	3 holes

**NEWFIELD**



**GMBU G-8-9-16**

986' FNL & 792' FWL (NW/NW)  
 Section 8, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-50703; Lease # UTU-74390

# GMBU L-7-9-17

Spud Date: 11/22/2011

PWOP: 2/08/2012

GL: 5854' KB: 5864'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 9 jts. (408.76')  
 DEPTH LANDED: 419.07' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 205 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 151 jts. (6479.61') Includes Shoe Jt. (21.7')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6495.22' KB  
 CEMENT DATA: 240 sxs Prem. Lite II mixed & 480 sxs 50/50 POZ.  
 CEMENT TOP AT: 286'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 183 jts. (5699.5')  
 TUBING ANCHOR: 5709.5' KB  
 NO. OF JOINTS: 2 jt. (62.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5774.8' KB  
 NO. OF JOINTS: 2 jts. (62.5')  
 NOTCHED COLLAR: 5838.4' KB  
 TOTAL STRING LENGTH: EOT @ 5839'

### SUCKER RODS

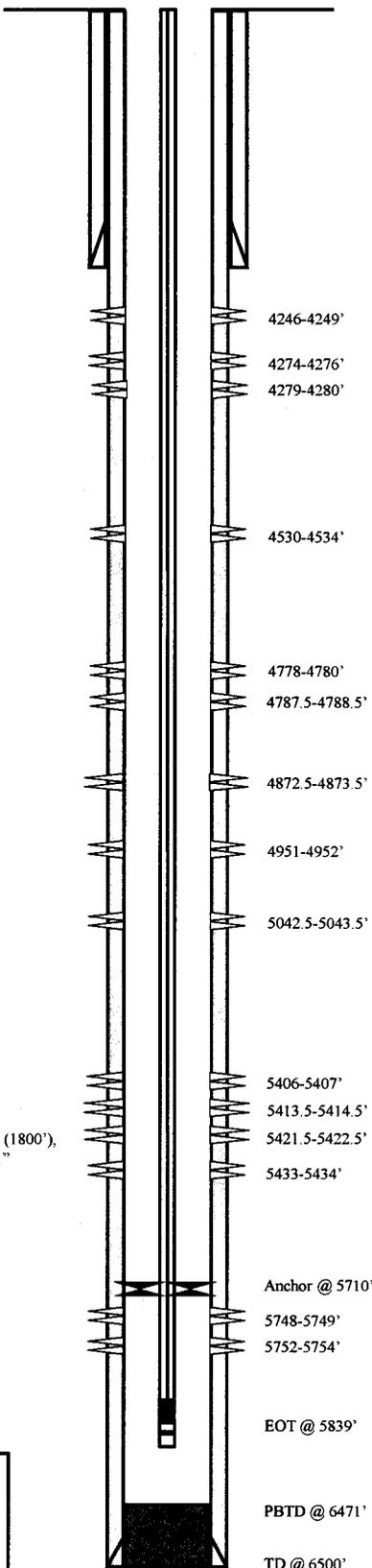
POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 72 - 7/8" 4per Guided Rods (1800'),  
 151 - 3/4" 4per Guided Rods (3775'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1"  
 Stabilizer Bars (20')  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 20' x 24' RHAC  
 STROKE LENGTH: 225"  
 PUMP SPEED: 5 SPM

### FRAC JOB

2/01/2012 5406-5754' **Frac CP2 & LODC, sands as follows:**  
 Frac with 69650# 20/40 white sand in 198 bbls  
 lightning 17 fluid; 716 bbls total fluid to  
 recover.  
 2/03/2012 4951-5044' **Frac B2, C-sand, D1 & D2, sands as follows:**  
 Frac with 64731# 20/40 white sand in 517 bbls  
 lightning 17 fluid; 630 bbls total fluid to  
 recover.  
 2/03/2012 4530-4534' **Frac PB10, sands as follows:**  
 Frac with 19846# 20/40 white sand  
 in 213 bbls lightning 17 fluid; 321 bbls total  
 fluid to recover.  
 2/03/2012 4246-4280' **Frac GB4 & GB6, sands as follows:**  
 Frac with 50445# 20/40 white sand in  
 371 bbls lightning 17 fluid; 522 bbls total  
 fluid to recover.

### PERFORATION RECORD

5752-5754'	3 JSFP	6 holes
5748-5749'	3 JSFP	3 holes
5433-5434'	3 JSFP	3 holes
5421.5-5422.5'	3 JSFP	3 holes
5413.5-5414.5'	3 JSFP	3 holes
5406-5407'	3 JSFP	3 holes
5042.5-5403.5'	3 JSFP	3 holes
4951-4952'	3 JSFP	6 holes
4872.5-4873.5'	3 JSFP	3 holes
4787.5-4788.5'	3 JSFP	3 holes
4778-4780'	3 JSFP	3 holes
4530-4534'	3 JSFP	12 holes
4279-4280'	3 JSFP	3 holes
4274-4276'	3 JSFP	6 holes
4246-4249'	3 JSFP	9 holes



**NEWFIELD**



**GMBU L-7-9-17**

2121'FSL & 1898' FEL (NW/SE)

Section 7, T9S, R16E

Duchesne County, Utah

API #43-013-50726; Lease # UTU-74390

# GMBU #H-7A-9-16

Spud Date: 12/9/11  
 Put on Production: 2/11/12  
 GL: 5831' KB: 5843'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts. (421.12')  
 DEPTH LANDED: 429.12'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 210 sxs Class "G" cmt., circ 1 bbl to surface.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (6305.21')  
 DEPTH LANDED: 6299.21'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 235 sxs Premilite II & 275 sxs 50/50 POZ.  
 CEMENT TOP: 40' per CBL 1/30/12

### TUBING (KS 8/17/12)

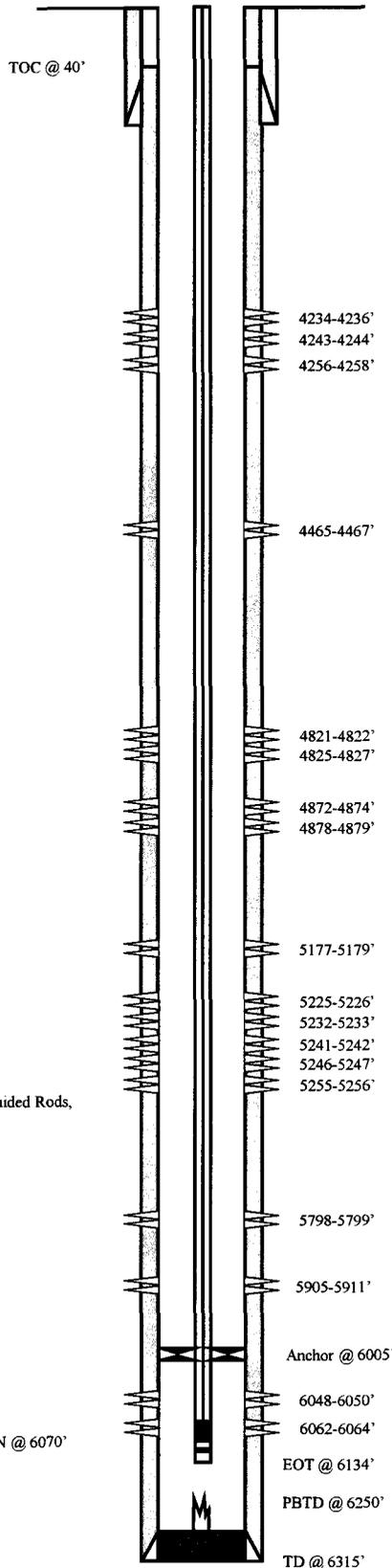
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 192 jts (5994.8')  
 TUBING ANCHOR: 6004.8'  
 NO. OF JOINTS: 2 jts (62.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6070.2'  
 NO. OF JOINTS: 2 jts (62.6')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 6134'

### SUCKER RODS (KS 8/17/12)

POLISHED ROD: 1-1/2" x 30' Polished Rods  
 SUCKER RODS: 2', 4', 6', 8' x 7/8" Pony Rods, 80 x 7/8" 4per Guided Rods,  
 133 x 3/4" 4per Guided Rods, 24 x 7/8" 8per Guided Rods  
 PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 4' x 21' x 24' RHAC  
 STROKE LENGTH: 146"  
 PUMP SPEED, SPM: 5.5  
 PUMPING UNIT: Darco C-640-365-168

### FRAC JOB

2/2/12	5905'-6064'	<b>Frac zone as follows:</b> 48107# 20/40 sand in 673 bbls 17# Borate. Treated @ avg press of 2862 psi w/avg rate of 40 BPM.
2/2/12	5177'-5247'	<b>Frac zone as follows:</b> 131521# 20/40 sand in 1031 bbls 17# Borate. Treated @ avg press of 2922 psi w/avg rate of 42 BPM. ISIP 2225 psi.
2/2/12	4872'-4822'	<b>Frac zone as follows:</b> 50160# 20/40 sand in 117 bbls 17# Borate. Treated @ avg press of 2809 psi w/avg rate of 37 BPM. ISIP 2171 psi.
2/2/12	4243'-4258'	<b>Frac zone as follows:</b> 96067# 20/40 sand in 755 bbls 17# Borate. Treated @ avg press of 2784 psi w/avg rate of 45 BPM. ISIP 1909 psi.



### PERFORATION RECORD

4234'-4236'	3 SPF 6 holes
4243'-4244'	3 SPF 3 holes
4256'-4258'	3 SFF 6 holes
4465'-4467'	3 SPF 6 holes
4821'-4822'	3 SPF 3 holes
4825'-4827'	3 SPF 6 holes
4872'-4874'	3 SPF 6 holes
4878'-4879'	3 SPF 3 holes
5177'-5179'	3 SPF 6 holes
5225'-5226'	3 SPF 3 holes
5232'-5233'	3 SPF 3 holes
5241'-5242'	3 SPF 3 holes
5246'-5247'	3 SPF 3 holes
5255'-5256'	3 SPF 3 holes
5798'-5799'	3 SPF 3 holes
5905'-5911'	3 SPF 18 holes
6048'-6050'	3 SPF 3 holes
6062'-6064'	3 SPF 6 holes

Fish in hole (3/1/12)-  
 22.57' J-55  
 4-3/4" bit/sub

**NEWFIELD**

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**GMBU #H-7A-9-16**  
 2017' FNL & 1777' FEL  
 SW/NE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-51110; Lease #UTU-74390

# Greater Monument Butte U-7-9-16

Spud Date: 11/12/2011  
 Put on Production: 1/20/2012  
 GL: 6016' KB: ~~6260~~  
 6029

Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (318')  
 DEPTH LANDED: 320.32' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

## PRODUCTION CASING

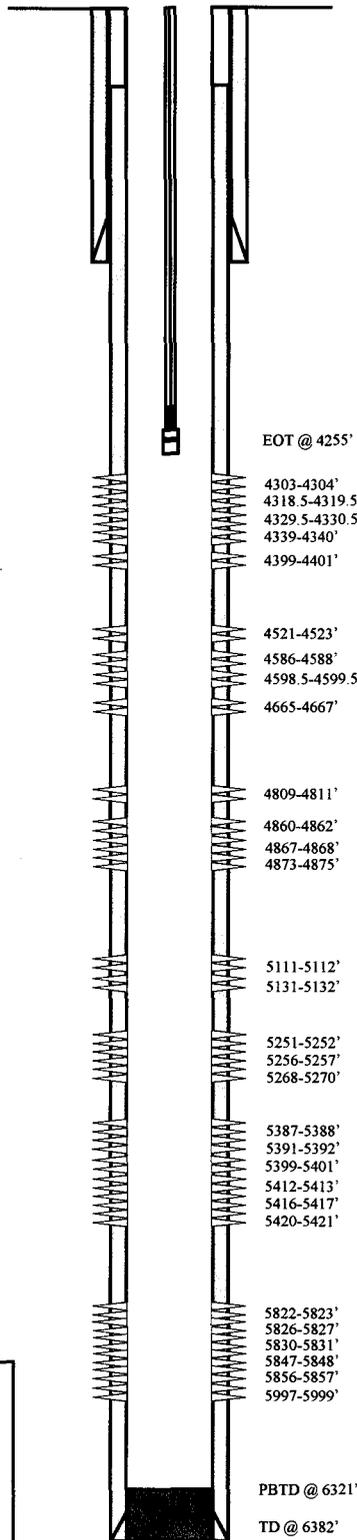
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts. (6346.63') - Including Shoe Joint (41.58')  
 DEPTH LANDED: 6365.24' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP @: 1'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 136 jts. (4240.1')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 4253.1' KB  
 NOTCHED COLLAR: 4254.2' KB  
 TOTAL STRING LENGTH: EOT @ 4255' KB

## SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED:



## FRAC JOB

1/4/2012 5822-5999' **Frac CP1, CP2 and CP4, sands as follows:**  
 Frac with 65062# 20/40 white sand in 847 bbls Lightning 17 fluid.  
 1/11/2012 5387-5421' **Frac LODC, sands as follows:**  
 Frac with 70399# 20/40 white sand in 553 bbls Lightning 17 fluid.  
 1/11/2012 5111-5270' **Frac B1, B2 and A1, sands as follows:**  
 Frac with 60374# 20/40 white sand in 481 bbls Lightning 17 fluid.  
 1/11/2012 4809-4875' **Frac DS3 and D1, sands as follows:**  
 Frac with 89731# 20/40 white sand in 718 bbls Lightning 17 fluid.  
 1/11/2012 4521-4667' **Frac PB8, PB10 and PB11, sands as follows:**  
 Frac with 70179# 20/40 white sand in 550 bbls Lightning 17 fluid.  
 1/11/2012 4303-4401' **Frac GB4 and GB6, sands as follows:**  
 Frac with 64722# 20/40 white sand in 501 bbls Lightning 17 fluid.

## PERFORATION RECORD

Depth Range	Perforation Type	Holes
5997-5999'	3 JSPF	6 holes
5856-5857'	3 JSPF	3 holes
5847-5848'	3 JSPF	3 holes
5830-5831'	3 JSPF	3 holes
5826-5827'	3 JSPF	3 holes
5822-5823'	3 JSPF	3 holes
5420-5421'	3 JSPF	3 holes
5416-5417'	3 JSPF	3 holes
5412-5413'	3 JSPF	3 holes
5399-5401'	3 JSPF	6 holes
5391-5392'	3 JSPF	3 holes
5387-5388'	3 JSPF	3 holes
5268-5270'	3 JSPF	6 holes
5256-5257'	3 JSPF	3 holes
5251-5252'	3 JSPF	3 holes
5131-5132'	3 JSPF	3 holes
5111-5112'	3 JSPF	3 holes
4873-4875'	3 JSPF	6 holes
4867-4868'	3 JSPF	3 holes
4860-4862'	3 JSPF	6 holes
4809-4811'	3 JSPF	6 holes
4665-4667'	3 JSPF	6 holes
4598.5-4599.5'	3 JSPF	3 holes
4586-4588'	3 JSPF	6 holes
4521-4523'	3 JSPF	6 holes
4399-4401'	3 JSPF	6 holes
4339-4340'	3 JSPF	3 holes
4329.5-4330.5'	3 JSPF	3 holes
4318.5-4319.5'	3 JSPF	3 holes
4303-4304'	3 JSPF	3 holes



**Greater Monument Butte U-7-9-16**  
 546' FNL & 671' FWL (SW/NW)  
 Section 17, T9S R16E  
 Duchesne County, Utah  
 API #43-013-50699; Lease #UTU-74390

43-013-51565

**Well Name: Gmbu R-8-9-16**

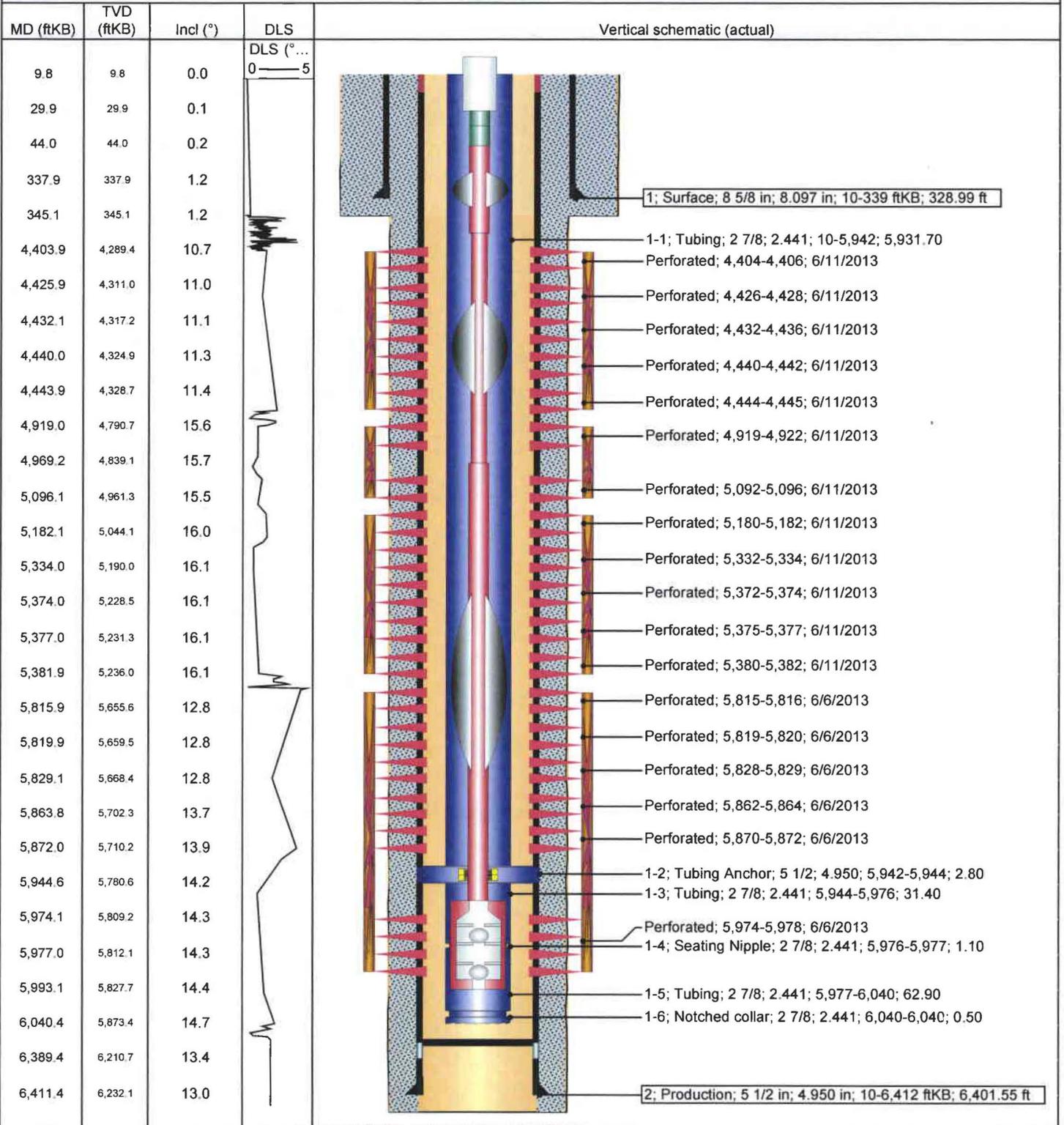
Surface Legal Location 08-9S-16E		API/UWI 43013515650000	Well RC 500334814	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 5/9/2013	Rig Release Date 5/27/2013	On Production Date 6/14/2013	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 6,387.6

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Pump Repair	Job Start Date 1/6/2014	Job End Date 1/7/2014
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**TD: 6,421.0**

Vertical - Original Hole, 3/18/2014 11:40:52 AM



43-013-51607

**NEWFIELD**

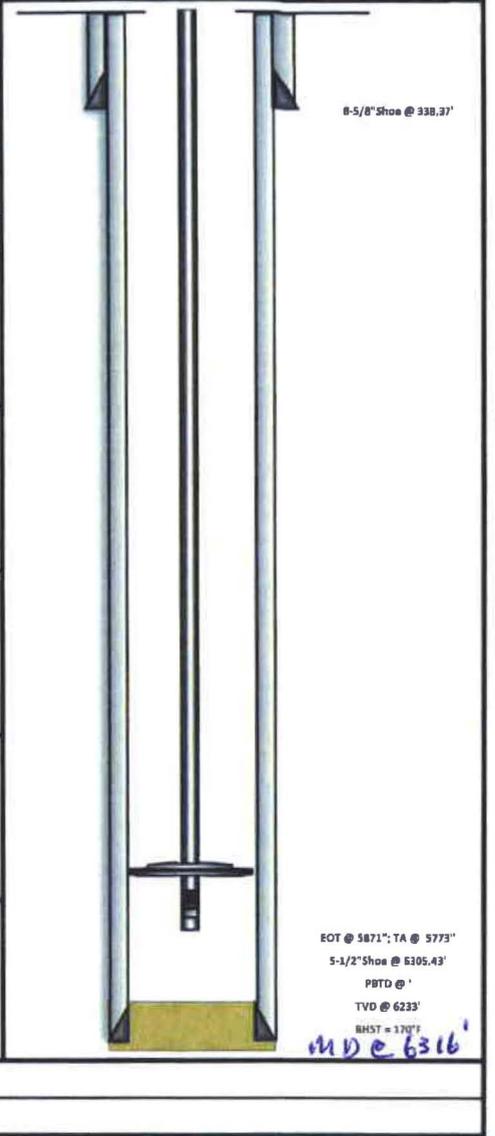


**GMBU M-8-9-16**

Monument Butte - Duchesne County; Utah, USA  
 Surface Legal Location: SW/NE Section 8, T9S, R16E; 2041' FNL & 2193' FEL  
 Elevation: 5895' GL + 10' RB  
 API Number: 43-013-51607; Lease Number: UTU-64379

Paul Lembcke  
 OLB 5/31/13  
 Spud Date:  
 PoP Date:

CASING DETAIL	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	ga./ft	Coupling	Hole
	Surf	10'	338'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,305'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TUBING DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5871'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5773'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pumps				
	Upper Guided Rod		0'	5,800'	7/8"	Tenaris D78	-	-	-	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5,800'			
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,329'	4,330'	3	0.34	-	Formation:	GB5	GB4					
	4,349'	4,350'	3	0.34	-	20/40 White:	lbs	15% HCl:	gals				
	4,355'	4,356'	3	0.34	-	Pad:	gals	Treating Fluid:	gals				
	4,362'	4,363'	3	0.34	-	Flush:	gals	Load to Recover:	gals				
	4,372'	4,374'	3	0.34	-	ISIP=	psi/ft	Max STP:	psi				
	4,386'	4,388'	3	0.34	-								
	4,408'	4,410'	3	0.34	-								
4	0'	0'	3	-	-	Formation:	D1	D53					
	0'	0'	3	-	-	20/40 White:	lbs	15% HCl:	gals				
	0'	0'	3	-	-	Pad:	gals	Treating Fluid:	gals				
	0'	0'	3	-	-	Flush:	gals	Load to Recover:	gals				
	0'	0'	3	-	-	ISIP=	psi/ft	Max STP:	psi				
	4,822'	4,824'	3	0.34	-								
	4,876'	4,882'	3	0.34	-								
3	0'	0'	3	-	-	Formation:	B2	C-Sand					
	0'	0'	3	-	-	20/40 White:	lbs	15% HCl:	gals				
	0'	0'	3	-	-	Pad:	gals	Treating Fluid:	gals				
	0'	0'	3	-	-	Flush:	gals	Load to Recover:	gals				
	0'	0'	3	-	-	ISIP=	psi/ft	Max STP:	psi				
	5,044'	5,046'	3	0.34	-								
	5,154'	5,156'	3	0.34	-								
2	0'	0'	3	-	-	Formation:	LODC						
	0'	0'	3	-	-	20/40 White:	lbs	15% HCl:	gals				
	0'	0'	3	-	-	Pad:	gals	Treating Fluid:	gals				
	0'	0'	3	-	-	Flush:	gals	Load to Recover:	gals				
	0'	0'	3	-	-	ISIP=	psi/ft	Max STP:	psi				
	0'	0'	3	-	-								
	5,415'	5,425'	3	0.34	-								
1	0'	0'	3	-	-	Formation:	CP1						
	0'	0'	3	-	-	20/40 White:	lbs	15% HCl:	gals				
	0'	0'	3	-	-	Pad:	gals	Treating Fluid:	gals				
	0'	0'	3	-	-	Flush:	gals	Load to Recover:	gals				
	0'	0'	3	-	-	ISIP=	psi/ft	Max STP:	psi				
	0'	0'	3	-	-								
	5,788'	5,794'	3	0.34	-								
CEMENT	Surf	On 5/14/13 Baker Hughes cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 6 bbls to the pit.											
	Prod	On 5/30/13 Baker pumped 220sks lead @ 11 ppg w/ 3.53 yield plus 460 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 29 bbls to the pit.											



EOI @ 5871'; TA @ 5773'  
 5-1/2" Shoe @ 5305.43'  
 PBTD @ '  
 TVD @ 6233'  
 BHST = 1707'  
*MD @ 6316'*



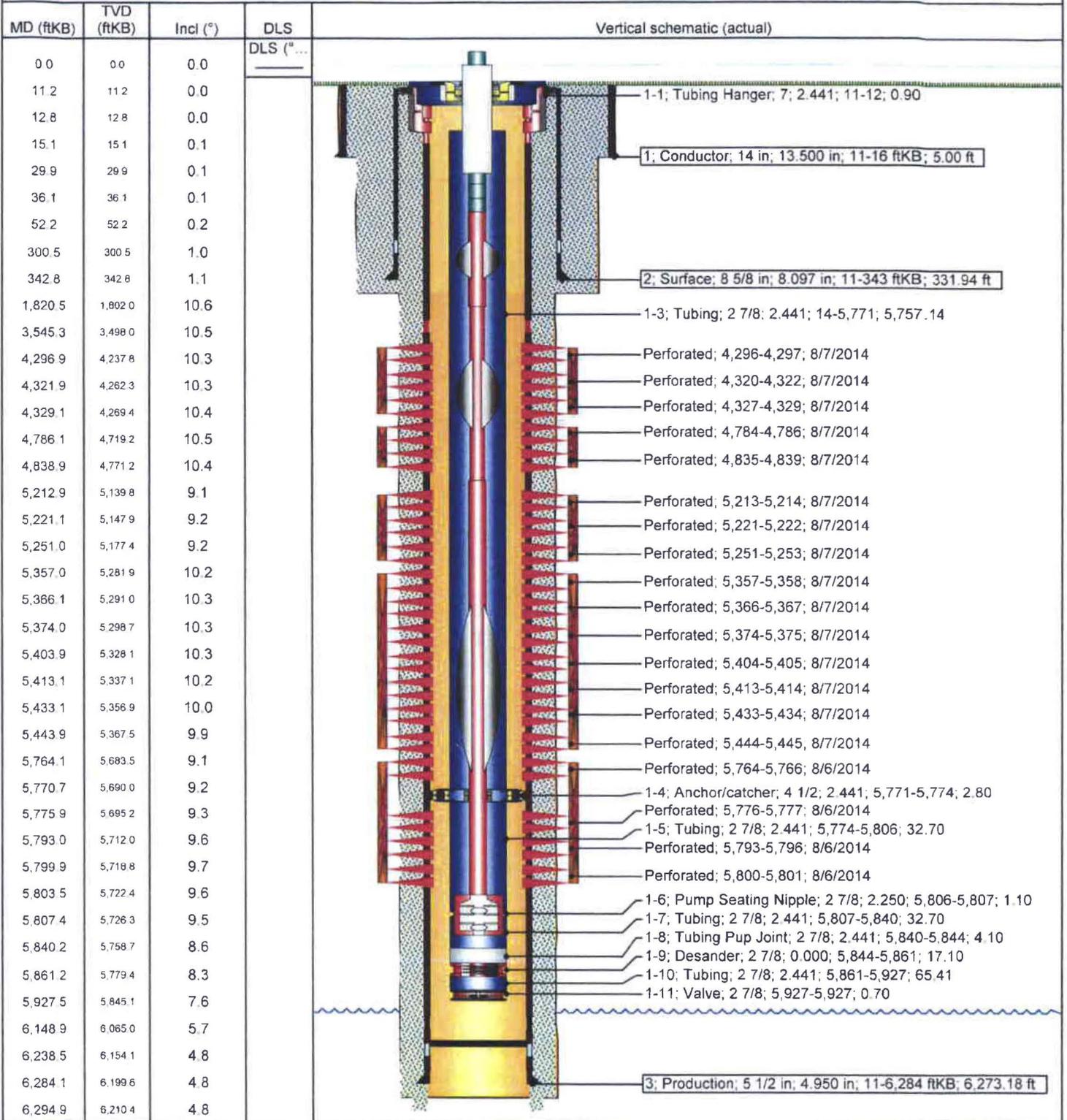
43-013-52668

**Well Name: GMBU 125-7-9-16**

Surface Legal Location NESE 1979 FSL 620 FEL Sec 7 T9S R16E		API/UWI 43013526680000	Well RC 500376684	Lease UTU74390	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 7/9/2014	Rig Release Date 7/24/2014	On Production Date 8/12/2014	Original KB Elevation (ft) 5,975	Ground Elevation (ft) 5,964	Total Depth All (TVD) (ftKB) Original Hole - 6,209.4	PBTD (All) (ftKB) Original Hole - 6,236.8	

<b>Most Recent Job</b>				
Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 8/6/2014	Job End Date 8/12/2014

**TD: 6,294.0**      Slant - Original Hole, 9/22/2014 12:31:56 PM



**NEWFIELD**

**Schematic**

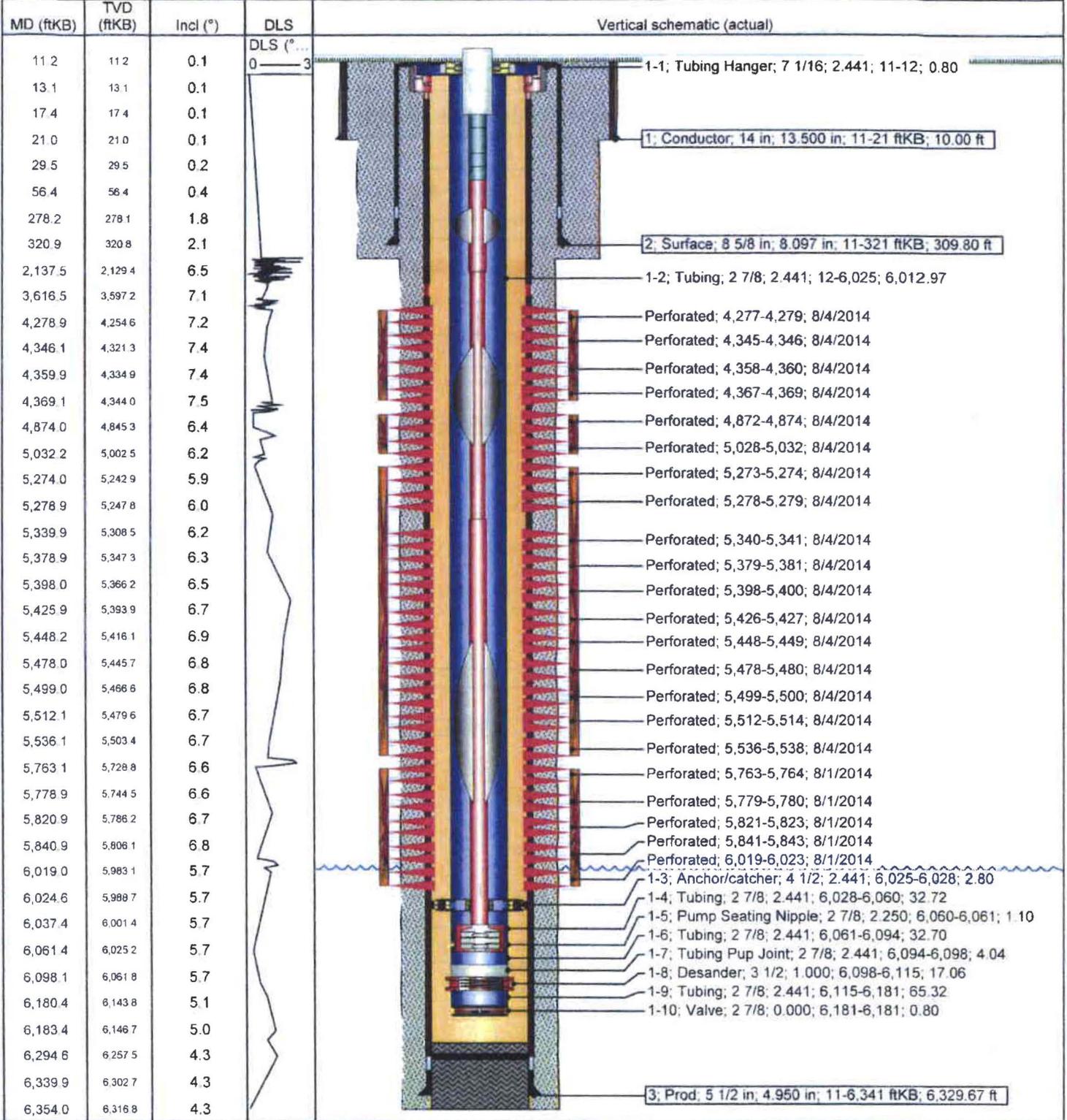
43-013-52672

Well Name: **GMBU 112-8-9-16**

Surface Legal Location NWNW 1002 FNL 778 FWL Sec 8 T9S R16E		API/UWI 43013526720000	Well RC 500376688	Lease UTU74390	State/Province Utah	Field Name GMBU CT B3	County Duchesne
Spud Date 7/5/2014	Rig Release Date 7/20/2014	On Production Date	Original KB Elevation (ft) 5,951	Ground Elevation (ft) 5,940	Total Depth AB (TVD) (ftKB) Original Hole - 6,316.8	PSTD (All) (ftKB) Original Hole - 6,294.5	

<b>Most Recent Job</b>			
Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 8/1/2014
		Job End Date 8/6/2014	

**TD: 6,354.0** Slant - Original Hole, 8/26/2014 2:59:03 PM



Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **JIF**  
 Sample Point: **After production filter**  
 Sample Date: **12/9/2011**  
 Sample ID: **WA-204152**

Sales Rep: **Darren Betts**  
 Lab Tech: **Gary Peterson**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date: 12/9/2011		Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	300.00	Sodium (Na):	7647.40	Chloride (Cl):	11000.00
System Pressure 1 (psig):	3000.00	Potassium (K):	33.40	Sulfate (SO4):	190.00
System Temperature 2 (°F):	70.00	Magnesium (Mg):	9.00	Bicarbonate (HCO3):	1390.80
System Pressure 2 (psig):	14.70	Calcium (Ca):	45.00	Carbonate (CO3):	0.00
Calculated Density (g/ml):	1.01	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
pH:	8.40	Barium (Ba):	9.80	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	20336.89	Iron (Fe):	10.50	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.71	Fluoride (F):	0.00
H2S in Gas (%):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Water (mg/L):	0.50	Manganese (Mn):	0.28	Silica (SiO2):	0.00

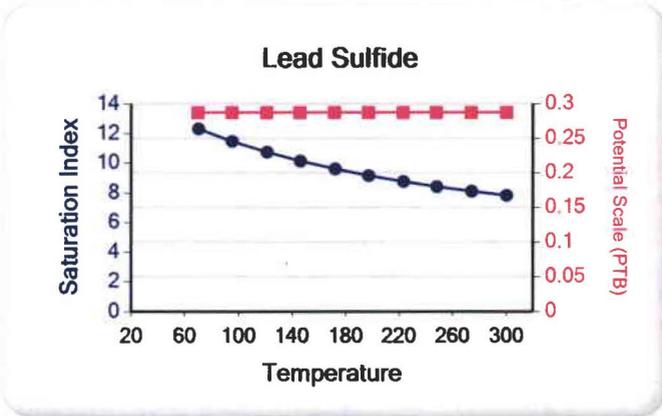
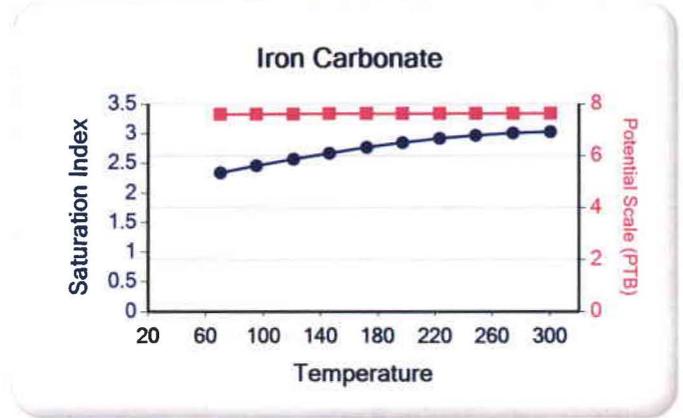
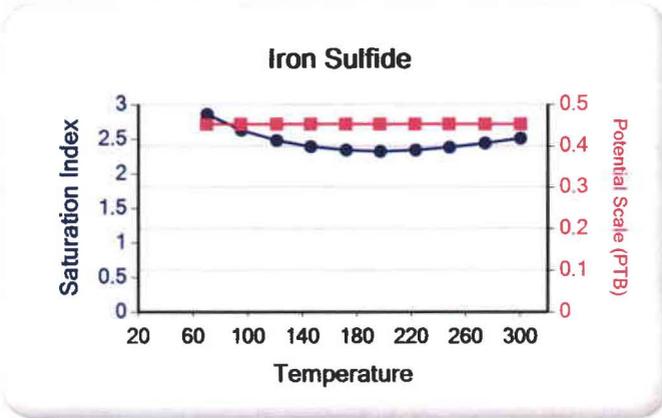
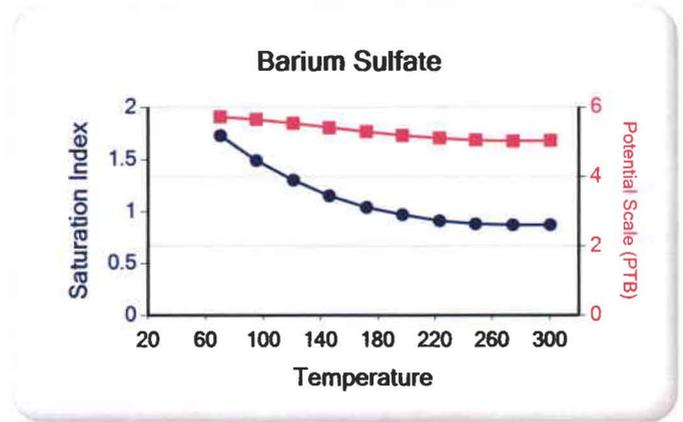
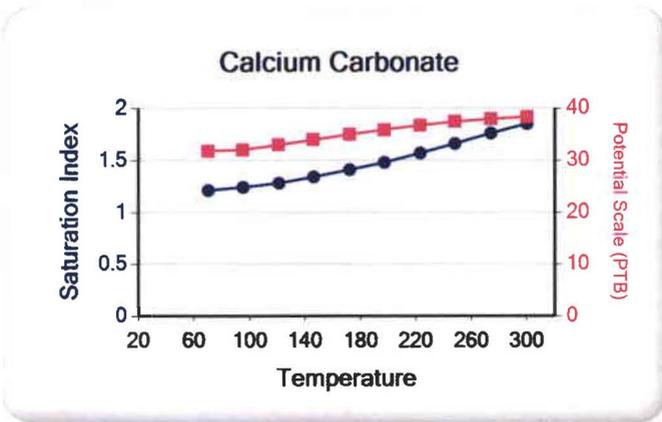
Notes:

(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
70	14	1.21	31.74	1.73	5.72	2.86	0.45	2.34	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	1.24	31.98	1.49	5.64	2.63	0.45	2.46	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	1.28	32.90	1.30	5.53	2.48	0.45	2.57	7.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	1.34	33.89	1.15	5.42	2.39	0.45	2.67	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	1.41	34.90	1.04	5.29	2.34	0.45	2.77	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	1.48	35.84	0.97	5.19	2.32	0.45	2.85	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.57	36.67	0.91	5.10	2.34	0.45	2.92	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.66	37.35	0.88	5.05	2.38	0.45	2.97	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.76	37.89	0.87	5.02	2.44	0.45	3.01	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.85	38.30	0.87	5.03	2.51	0.45	3.03	7.63	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
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.33	0.29	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.48	0.29	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.75	0.29	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14	0.29	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.15	0.29	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.75	0.29	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.81	0.29	0.00	0.00	0.00	0.00	0.00	0.00

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



3 of 4

Units of Measurement: Standard

Water Analysis Report

Production Company: NEWFIELD PRODUCTION  
Well Name: W POINT 12-8-9-16  
Sample Point: Treater  
Sample Date: 5/20/2012  
Sample ID: WA-214854

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:	5/29/2012	Sodium (Na):	3794.00	Chloride (Cl):	3500.00
System Temperature 1 (°F):	120.00	Potassium (K):	13.00	Sulfate (SO4):	431.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	1.62	Bicarbonate (HCO3):	3538.00
System Temperature 2 (°F):	185.00	Calcium (Ca):	2.13	Carbonate (CO3):	0.00
System Pressure 2 (psig):	60.0000	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.005	Barium (Ba):	1.70	Propionic Acid (C2H5COO)	0.00
pH:	8.80	Iron (Fe):	1.40	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	11282.99	Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.08	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):	0.00	Manganese (Mn):	0.03	Silica (SiO2):	
H2S in Water (mg/L):	0.00				

Notes:

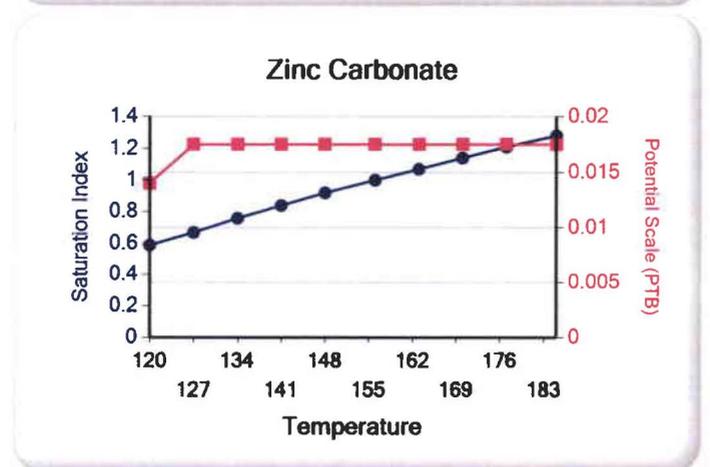
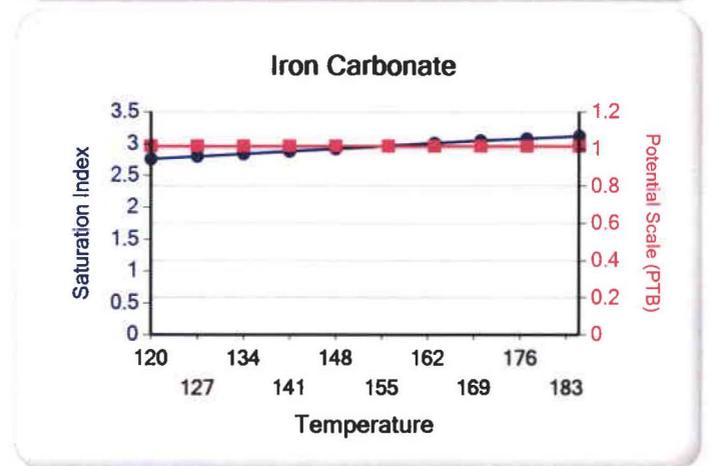
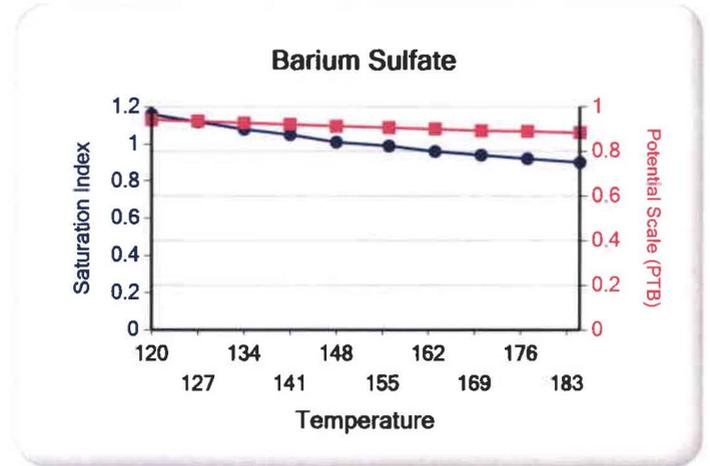
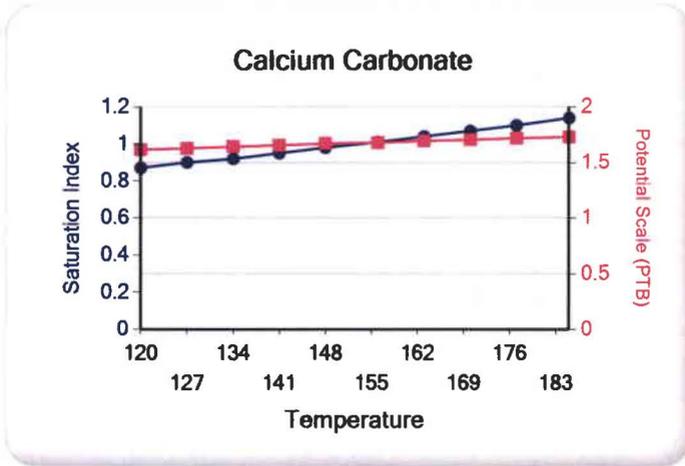
(PTB = Pounds per Thousand Barrels)

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
185.00	60.00	1.14	1.73	0.90	0.88	0.00	0.00	3.12	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	60.00	1.10	1.72	0.92	0.89	0.00	0.00	3.08	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	1.07	1.70	0.94	0.89	0.00	0.00	3.05	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	60.00	1.04	1.69	0.96	0.90	0.00	0.00	3.01	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	60.00	1.01	1.68	0.99	0.91	0.00	0.00	2.97	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	60.00	0.98	1.67	1.01	0.91	0.00	0.00	2.92	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.00	60.00	0.95	1.65	1.05	0.92	0.00	0.00	2.88	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.00	60.00	0.92	1.64	1.08	0.93	0.00	0.00	2.84	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	60.00	0.90	1.63	1.12	0.94	0.00	0.00	2.80	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.87	1.61	1.16	0.94	0.00	0.00	2.76	1.02	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
185.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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"**

**Federal #12-8-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5673	5766	5720	2060	0.80	2023
5196	5350	5273	2043	0.83	2009 ←
4748	5024	4886	2109	0.88	2078
				<b>Minimum</b>	<u><u>2009</u></u>

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

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

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



DAILY COMPLETION REPORT

WELL NAME: West Point 12-8-9-16 Report Date: Dec. 13, 2001 Completion Day: 01  
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5932' WL  
Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ EOT@ \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP .5 sds	5673-5678'	4/20			
CP2 sds	5708-5720'	4/48			
CP3 sds	5762-5766'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 12, 2001 SITP: \_\_\_\_\_ SICP: 0

Install 5M frac head & NU 5M Cameron BOP. Pressure test csg & sfc equipment to 3000 psi. RU Schlumberger and perf CP3 sds @ 5762-66', perf CP2 sds @ 5708-20' & CP .5 sds @ 5673-78'. All 4 JSPF. Had gun failure first two runs! SIFN W/ est 141 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 141 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 141 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

COSTS

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_  
Company: \_\_\_\_\_  
Procedure or Equipment detail:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Zubiate HO trk (BOP) \_\_\_\_\_  
Weatherford BOP \_\_\_\_\_  
Hagman/IPC trucking \_\_\_\_\_  
IPC rstbt (NU BOP) \_\_\_\_\_  
Schlumberger-CBL \_\_\_\_\_  
Schlumberger-CP sds \_\_\_\_\_  
IPC loc preparation \_\_\_\_\_  
Cameron-tbg head \_\_\_\_\_  
Drilling cost \_\_\_\_\_  
IPC Supervision (2) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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: \_\_\_\_\_





ATTACHMENT G-1  
3 of 11

DAILY COMPLETION REPORT

WELL NAME: West Point 12-8-9-16 Report Date: Dec. 14, 2001 Completion Day: 02  
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5932' WL  
Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ EOT@ \_\_\_\_\_ BP/Sand PBTD: 5465'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sds	5196-5200'	4/16	CP .5 sds	5673-5678'	4/20
A3 sds	5211-5215'	4/16	CP2 sds	5708-5720'	4/48
LODC sds	5321-5325'	4/16	CP3 sds	5762-5766'	4/16
LODC sds	5333-5350'	4/68			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 13, 2001 SITP: \_\_\_\_\_ SICP: 2060

Day 2(b):

W/ Schlumberger run 5 1/2" Weatherford composite flowthrough frac plug & 4" perf gun. Had trouble getting out of lubricator & into csg top. Dragging downhole & stacked out @ 72'. Pull out of hole. Plug had broken btm slips. Missing one segment & some plastic spacers. MU & run new plug. Dragging downhole & stacked out @ 680'. Pull out & LD plug & gun (plug OK). PU & run 3-4' perf guns. Saw some drag but never stopped. Perf LODC sds @ 5321-25'; perf A3 sds @ 5211-15' & A1 sds @ 5196-5200'. All 4 JSPF. PU & run plug & 17' gun. Had no trouble getting in hole. Set plug @ 5465'. Perf LODC sds @ 5333-50' W/ 4 JSPF. RU DS & frac A/LODC sds W/ 109,000# 20/40 sand in 747 bbls YF 125 fluid. Treated @ ave press of 1827 psi W/ ave rate of 28.7 BPM. ISIP-2043 psi. RD DS & Schlumberger. Begin immediate flowback of CP & A/LODC fracs on 12/64 choke @ 1 BPM. Zones flowed 8.5 hrs & died. Rec 427 BTF (est 31% of combined frac volumes). SIFN W/ est 1091 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 771 Starting oil rec to date: 0  
Fluid lost/recovered today: 320 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 1091 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: 12/64 Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

COSTS

Base Fluid used: YF 125 Job Type: Sand frac  
Company: Dowell/Schlumberger

Procedure or Equipment detail: A/LODC sds  
4279 gals of pad  
3308 gals W/ 1 ppg of 20/40 sand  
4227 gals of 3 ppg of 20/40 sand  
8853 gals W/ 6 ppg of 20/40 sand  
5624 gals W/ 8 ppg of 20/40 sand  
Flush W/ 5095 gals of WF110 fluid

Dowell--A/LODC sds  
Weatherford frac plugs  
Frac water (piped)  
Fuel gas (+/- 30 mcf)  
Schlumberger-A/LODC  
Weatherford service  
IPC Supervision

Max TP: 3025 Max Rate: 30.5 BPM Total fluid pmpd: 747 bbls  
Avg TP: 1827 Avg Rate: 28.7 BPM Total Prop pmpd: 109,000#  
ISIP: 2043 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .76  
Completion Supervisor: Gary Dietz

DAILY COST: \_\_\_\_\_ \$0  
TOTAL WELL COST: \_\_\_\_\_



DAILY COMPLETION REPORT

WELL NAME: West Point 12-8-9-16 Report Date: Dec. 15, 2001 Completion Day: 03
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5932' WL
Tbg: Size: Wt: Grd: EOT@ BP/Sand PBTD: 5465'
BP/Sand PBTD: 5120'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include DS3 sds, D1 sds, B1 sds, A1 sds, A3 sds, LODC sds, CP .5 sds, CP2 sds, CP3 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 14, 2001 SITP: SICIP: 100

Day 3(a):

Thaw BOP, wellhead & WL lubricator W/ HO trk. Bleed pressure off well. Rec est 4 BW. RU Schlumberger and run 4" perf guns past desired plug set depth. Pull up & perf D1 sds @ 4799-4809' & DS3 sds @ 4748-52' W/ 4 JSPF. 2nd run ran 5 1/2" Weatherford composite flowthrough frac plug & perf gun. Set plug @ 5120'. Perf B1 sds @ 5020-24' W/ 4 JSPF. RU Dowell/Schlumberger and frac D/B sds W/ 74,200# 20/40 sand in 547 bbls YF 125 fluid. Perfs broke down @ 2050 psi. Treated @ ave press of 1761 psi W/ ave rate of 26.9 BPM. ISIP-2109 psi. Flowback 2 BW & leave remaining pressure on well. Est 1632 BWTR.

See day 3(b)

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1091 Starting oil rec to date: 0
Fluid lost/recovered today: 541 Oil lost/recovered today:
Ending fluid to be recovered: 1632 Cum oil recovered: 0
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: YF 125 Job Type: Sand frac
Company: Dowell/Schlumberger

Procedure or Equipment detail: B1, D1 & DS3 sands
2927 gals of pad
2321 gals W/ 1 ppg of 20/40 sand
2966 gals of 3 ppg of 20/40 sand
6046 gals W/ 6 ppg of 20/40 sand
4035 gals W/ 8 ppg of 20/40 sand
Flush W/ 4683 gals of WF110 fluid

COSTS

Dowell--B/D sds
Weatherford frac plug
Frac water (piped)
Fuel gas (+/- 30 mcf)
Schlumberger-B/D sds
Weatherford service
Zubiate HO trk
IPC Supervision

Max TP: 2450 Max Rate: 31.1 BPM Total fluid pmpd: 547 bbls
Avg TP: 1761 Avg Rate: 26.9 BPM Total Prop pmpd: 74,200#
ISIP: 2109 5 min: 10 min: FG: .86
Completion Supervisor: Gary Dietz

DAILY COST: \$0
TOTAL WELL COST:





DAILY COMPLETION REPORT

WELL NAME: West Point 12-8-9-16 Report Date: Dec. 20, 2001 Completion Day: 04  
Present Operation: Completion Rig: MD #3

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5932' WL  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 EOT@ 2340' BP/Sand PBTD: 5465'  
BP/Sand PBTD: 5120'  
BP/Sand PBTD: 4390'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4251-4254'	4/12	A1 sds	5196-5200'	4/16
GB4 sds	4267-4273'	4/24	A3 sds	5211-5215'	4/16
GB5 sds	4291-4298'	4/28	LODC sds	5321-5325'	4/16
GB6 sds	4332-4348'	4/64	LODC sds	5333-5350'	4/68
DS3 sds	4748-4752'	4/16	CP .5 sds	5673-5678'	4/20
D1 sds	4799-4809'	4/40	CP2 sds	5708-5720'	4/48
B1 sds	5020-5024'	4/16	CP3 sds	5762-5766'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 19, 2001 SITP: \_\_\_\_\_ SICP: 50

MIRU MD #3. Thaw wellhead & BOP W/ HO trk. Bleed off gas & small amount of oil. Tally, drift, PU & TIH W/ 4 3/4" bit, bitsub & 76 jts 2 7/8 8rd 6.5# J-55 tbg. Slow going due to pushing ice & oil W/ bit. SIFN W/ EOT @ 2340'. Est 2166 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2166 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 2166 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

COSTS

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail:

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

MD #3  
Weatherford BOP  
Weatherford circ head  
Aztec-2 7/8 J-55  
Zubiate--HO trk  
Hagman trucking  
Rocky Mt. TOC  
IPC 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: West Point 12-8-9-16 Report Date: Dec. 21, 2001 Completion Day: 05  
Present Operation: Completion Rig: MD #3

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5932' WL  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 EOT@ 5372' BP/Sand PBTD: 5465'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4251-4254'	4/12	A1 sds	5196-5200'	4/16
GB4 sds	4267-4273'	4/24	A3 sds	5211-5215'	4/16
GB5 sds	4291-4298'	4/28	LODC sds	5321-5325'	4/16
GB6 sds	4332-4348'	4/64	LODC sds	5333-5350'	4/68
DS3 sds	4748-4752'	4/16	CP .5 sds	5673-5678'	4/20
D1 sds	4799-4809'	4/40	CP2 sds	5708-5720'	4/48
B1 sds	5020-5024'	4/16	CP3 sds	5762-5766'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 20, 2001 SITP: 0 SICP: 0

Con't PU & TIH W/ bit, bitsub & 2 7/8 tbg f/ 2430'. Tag fill @ 4379'. RU power swivel. C/O sd to Plug @ 4390'. Drill out plug in 14 minutes. Con't swivel down jts. Tag fill @ 4750'. C/O sd to plug @ 5120'. Drill out plug in 20 minutes. Con't swivel down jts to 5372'. SIFN W/ est 2166 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2166 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 2166 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_  
Company: \_\_\_\_\_  
Procedure or Equipment detail:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COSTS

MD #3 \_\_\_\_\_  
Weatherford BOP \_\_\_\_\_  
Express HO trk \_\_\_\_\_  
Four Star power swivel \_\_\_\_\_  
IPC 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: \_\_\_\_\_



ATTACHMENT G-1  
8 of 11

DAILY COMPLETION REPORT

WELL NAME: West Point 12-8-9-16 Report Date: Dec. 22, 2001 Completion Day: 06  
Present Operation: Completion Rig: MD #3

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5940'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 EOT@ 5820' BP/Sand PBTD: 5940'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4251-4254'	4/12	A1 sds	5196-5200'	4/16
GB4 sds	4267-4273'	4/24	A3 sds	5211-5215'	4/16
GB5 sds	4291-4298'	4/28	LODC sds	5321-5325'	4/16
GB6 sds	4332-4348'	4/64	LODC sds	5333-5350'	4/68
DS3 sds	4748-4752'	4/16	CP .5 sds	5673-5678'	4/20
D1 sds	4799-4809'	4/40	CP2 sds	5708-5720'	4/48
B1 sds	5020-5024'	4/16	CP3 sds	5762-5766'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 21, 2001 SITP: 0 SICP: 0

Thaw wellhead & BOP W/ HO trk. Con't PU & TIH W/ tbg. Tag sd @ 5458'. Drill out composite plug @ 5465' in 50 minutes. Con't swivel down jts. Tag sd @ 5659'. C/O sd to PBTD @ 5940'. Circ hole clean. Lost a total of 220 BW during cleanouts. Having problems W/ tbg string (Hyundai make). Fluid leaking out of threads during circulation and 75% of jts unscrewed have gauged pins. Pull EOT to 5820'. RU swab equipment. IFL @ sfc. Made 5 runs rec 41 BW. FFL @ 300'. Having problems getting sinker bars down due to junk floating in fluid. SIFN W/ est 2345 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2166 Starting oil rec to date: 0  
Fluid lost/recovered today: 179 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 2345 Cum oil recovered: 0  
IFL: sfc FFL: 300' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: 0

STIMULATION DETAIL

COSTS

Base Fluid used: _____	Job Type: _____	MD #3
Company: _____		Weatherford BOP
Procedure or Equipment detail:		Zubiate HO trk
_____		Four Star power swivel
_____		Brough trucking
_____		IPC Supervision
_____		_____
_____		_____
_____		_____
_____		_____
_____		_____
_____		_____

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_ DAILY COST: \_\_\_\_\_ \$0  
Completion Supervisor: Gary Dietz TOTAL WELL COST: \_\_\_\_\_





DAILY COMPLETION REPORT

WELL NAME: West Point 12-8-9-16 Report Date: 24-Dec-01 Completion Day: 08  
Present Operation: Completion Rig: MD #3

WELL STATUS

Surf Csg: 8 5/8" @ 310' Prod. Csg: 5 1/2" Wt: 15.5# @ 5967' Csg PBTD: 5940'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 EOT@ 5823' BP/Sand PBTD: 5938'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4251-4254'	4/12	A1 sds	5196-5200'	4/16
GB4 sds	4267-4273'	4/24	A3 sds	5211-5215'	4/16
GB5 sds	4291-4298'	4/28	LODC sds	5321-5325'	4/16
GB6 sds	4332-4348'	4/64	LODC sds	5333-5350'	4/68
DS3 sds	4748-4752'	4/16	CP .5 sds	5673-5678'	4/20
D1 sds	4799-4809'	4/40	CP2 sds	5708-5720'	4/48
B1 sds	5020-5024'	4/16	CP3 sds	5762-5766'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: 23-Dec-01 SITP: 0 SICP: 0

Circulate hole clean with Hot oiler. 185 bbls water @ 200°F. Recovered 65 bbls oil. Lay down tbg string on Aztec float. Due to Bad TBG. PU & MU new string with BHA as listed below. Nipple down BOP's and frac head. Install production head. Set TAC with 16,000#'s tension. SWIFN. Est 2331 bbls water to recover

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2146 Starting oil rec to date: 10  
Fluid lost/recovered today: 185 Oil lost/recovered today: 65  
Ending fluid to be recovered: 2331 Cum oil recovered: 75  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

TUBING DETAIL

ROD DETAIL

COSTS

		MD #3
K B 10'		Weatherford BOP
175 JT's 27/8"J-55 tbg (5647.91' )		lpc supervision
TAC @ 5450.55' / KB		Zubiate Hot oiler
3 JT's 27/8"J-55 tbg (96.70' )		
S. N. 1.10' @ 5755.71 / KB		
2 JT's 27/8"J-55 tbg (64.55' )		
NC45' EOT @ 5823.37' KB		

DAILY COST: \$0

TOTAL WELL COST:

Completion Supervisor: Pat Wisener



**DAILY COMPLETION REPORT**

**WELL NAME:** West Point 12-8-9-16      **Report Date:** 28-Dec-01      **Completion Day:** 09  
**Present Operation:** Completion      **Rig:** MD #3

**WELL STATUS**

**Surf Csg:** 8 5/8" @ 310'      **Prod. Csg:** 5 1/2"      **Wt:** 15.5# @ 5967'      **Csg PBTD:** 5940'  
**Tbg:** Size: 2 7/8      **Wt:** 6.5#      **Grd:** J-55      **EOT@:** 5823'      **BP/Sand PBTD:** 5938'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4251-4254'	4/12	A1 sds	5196-5200'	4/16
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DS3 sds	4748-4752'	4/16	CP .5 sds	5673-5678'	4/20
D1 sds	4799-4809'	4/40	CP2 sds	5708-5720'	4/48
B1 sds	5020-5024'	4/16	CP3 sds	5762-5766'	4/16

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 27-Dec-01      **SITP:** 0      **SICP:** 0

Flush tbg with 30 bbls water @ 250F\*. PU prime new pump. TIH with rod string as listed below. Seat rod's. pressure test to 500 psi stroke to 1,000 psi. Space out. Rig up pumping unit. Place well on production @ 2:30 pm. Clean out rig tank & shovel sand.  
 EST 2366 bbls water to recover.  
 72" SL @ 7 SPM.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 2331      **Starting oil rec to date:** 75  
**Fluid lost/recovered today:** 35      **Oil lost/recovered today:** 40  
**Ending fluid to be recovered:** 2366      **Cum oil recovered:** 115  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**COSTS**

<b>TUBING DETAIL</b>		<b>ROD DETAIL</b>		<b>COSTS</b>	
				MD #3	
	K B 10'		1 1/2" X 22' polished rod(A)		lpc supervision
175	JT's 27/8"J-55 tbg (5647.91' )		2-8', 1-4', 1-2' X 3/4" ponies		Zubiate Hot oiler
	TAC @ 5450.55' / KB		87-3/4" scraped rods ( A )		Tank Batt.
3	JT's 27/8"J-55 tbg (96.70' )		127-3/4" plain rods		TAC, SN, Pump
	S. N. 1.10' @ 5755.71 / KB		10-3/4" scraped rods (A)		Water disposal
2	JT's 27/8"J-55 tbg (64.55' )		4- 1 1/2" weight rods (A)		Rod string
	NC45' EOT @ 5823.37' KB		Randys 2 1/2 X 1 1/2 X 15'		Pit reclamation
			RHAC		

**DAILY COST:** \_\_\_\_\_ **\$0**

**TOTAL WELL COST:** \_\_\_\_\_

**Completion Supervisor:** Pat Wisener

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4201'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 1195' balance plug using 23 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. Perforate 4 JSPF @ 360'
6. Plug #4 Circulate 100 sx Class "G" cement down 5 ½" and up the 5 ½" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

## West Point #12-8-9-16

Spud Date: 11/12/2001  
 Put on Production: 12/27/2001  
 GL: 5937' KB: 5947'

Initial Production: 82 BOPD,  
 43 MCFD, 37 BWPD

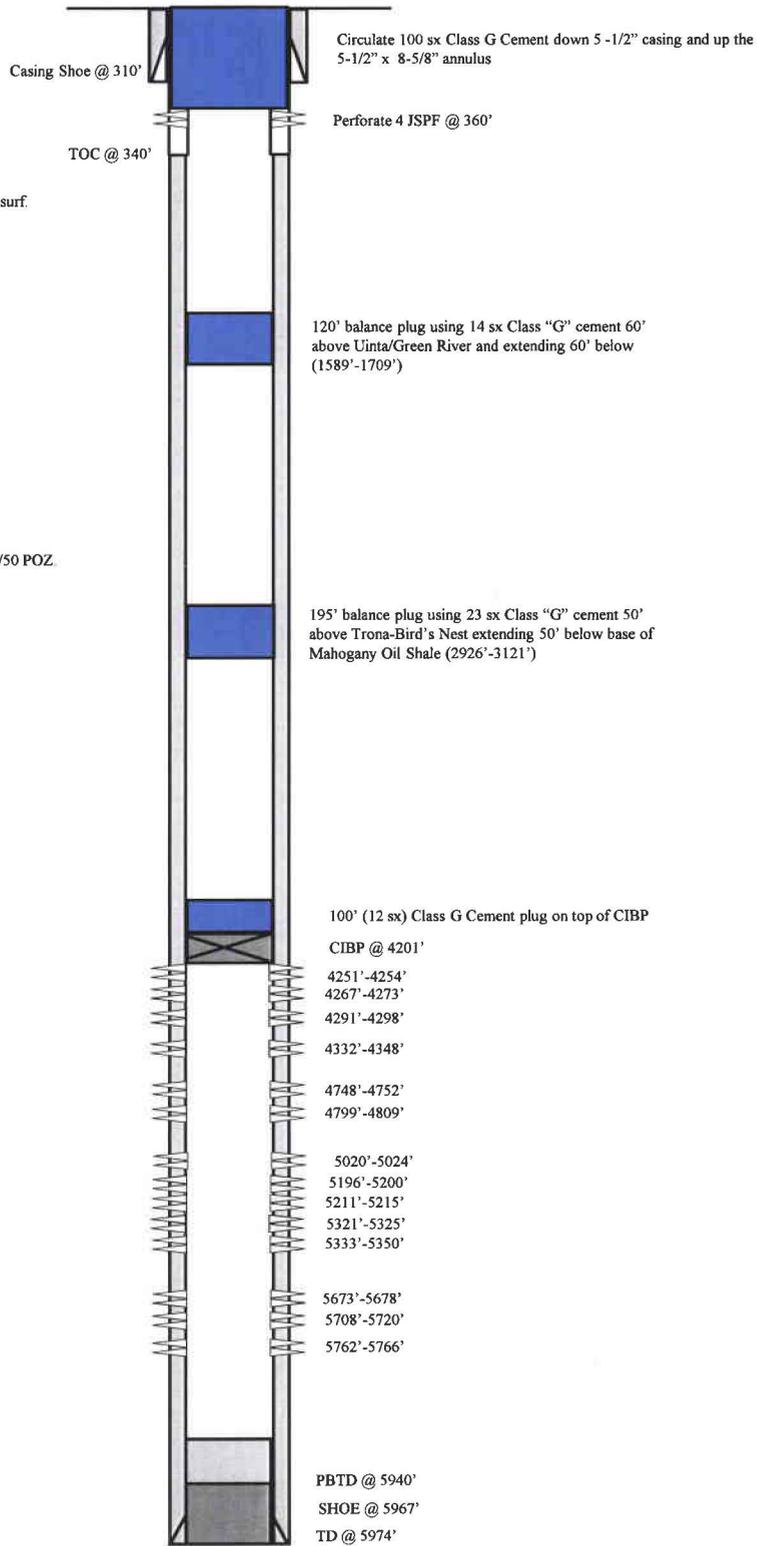
### Proposed P&A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.78')  
 DEPTH LANDED: 309.78'  
 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: 141 jts (5969')  
 DEPTH LANDED: 5966.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 340'





**West Point Unit #12-8-9-16**  
 2083' FSL & 584' FWL  
 NWSW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32286; Lease #UTU-74390