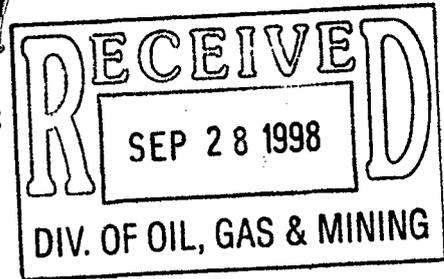




RESOURCES INC.  
September 25, 1998



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

**ATTENTION: Lisha Cordova**

**RE: Odekirk Spring #1-36-8-17  
Odekirk Spring #9-36-8-17  
Odekirk Spring #15-36-8-17**

**Odekirk Spring #8-36-8-17  
Odekirk Spring #10-36-8-17  
Odekirk Spring #16-36-8-17**

Dear Lisha,

Enclosed is the original and two copies of the Application For Permit To Drill, for the above referenced locations, and a copy of the Archaeological Survey Report.

Please do not hesitate to contact me if you have any questions in the Vernal Branch Office, (435) 789-1866.

Sincerely,

Cheryl Cameron  
Regulatory Specialist

/cc  
Enclosures

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

**ML-44305**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**APPLICATION FOR PERMIT TO DRILL, DEEPEN**

1a. TYPE OF WORK **DRILL**  **DEEPEN**

7. UNIT AGREEMENT NAME

1b. TYPE OF WELL

OIL  GAS  OTHER  **SINGLE ZONE**  **MULTIPLE ZONE**

8. FARM OR LEASE NAME

**Odekirk Spring**

2. NAME OF OPERATOR

**Inland Production Company**

9. WELL NO.

**#9-36-8-17**

3. ADDRESS AND TELEPHONE NUMBER:

**P.O. Box 790233 Vernal, UT 84079**

**Phone: (801) 789-1866**

10. FIELD AND POOL OR WILDCAT

**Monument Butte**

4. LOCATION OF WELL (FOOTAGE)

At Surface **NE/SE** <sup>691</sup> <sup>1916</sup>  
 At proposed Producing Zone **1937.9' FSL & 638.9' FEL**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

**NE/SE  
 Sec. 36, T8S, R17E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**15.9 Miles southeast of Myton, Utah**

12. County

**Uintah**

13. STATE

**UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

**638.9'**

16. NO. OF ACRES IN LEASE

**640**

17. NO. OF ACRES ASSIGNED TO THIS WELL

**40**

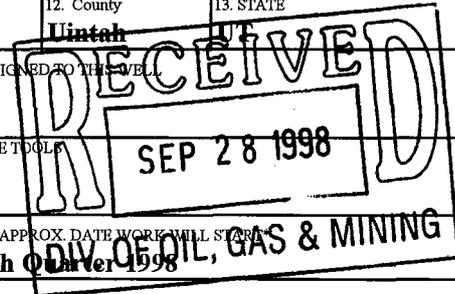
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

**6500'**

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOL

**Rotary**



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

**4996.8' GR**

22. APPROX. DATE WORK WILL START

**4th Quarter 1998**

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx
7 7/8	5 1/2	15.5#	TD	400 sx followed by 330 sx
				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date 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.

**The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

**SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl<sub>2</sub>, 1/4# Flocele/sk**

Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 gal/sk

**LONG STRING - Lead: Hibond 65 Modified**

Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H2O Req: 18.08 gal/sk

Tail: Premium Plus Thixotropic

Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 gal/sk

*589788.34  
 4436124.50*

24.

Name & Signature *Cheryl Cameron*  
**Cheryl Cameron**

Title: **Regulatory Specialist**

Date: **9/22/98**

(This space for State use only)

API Number Assigned: 43-047-33197

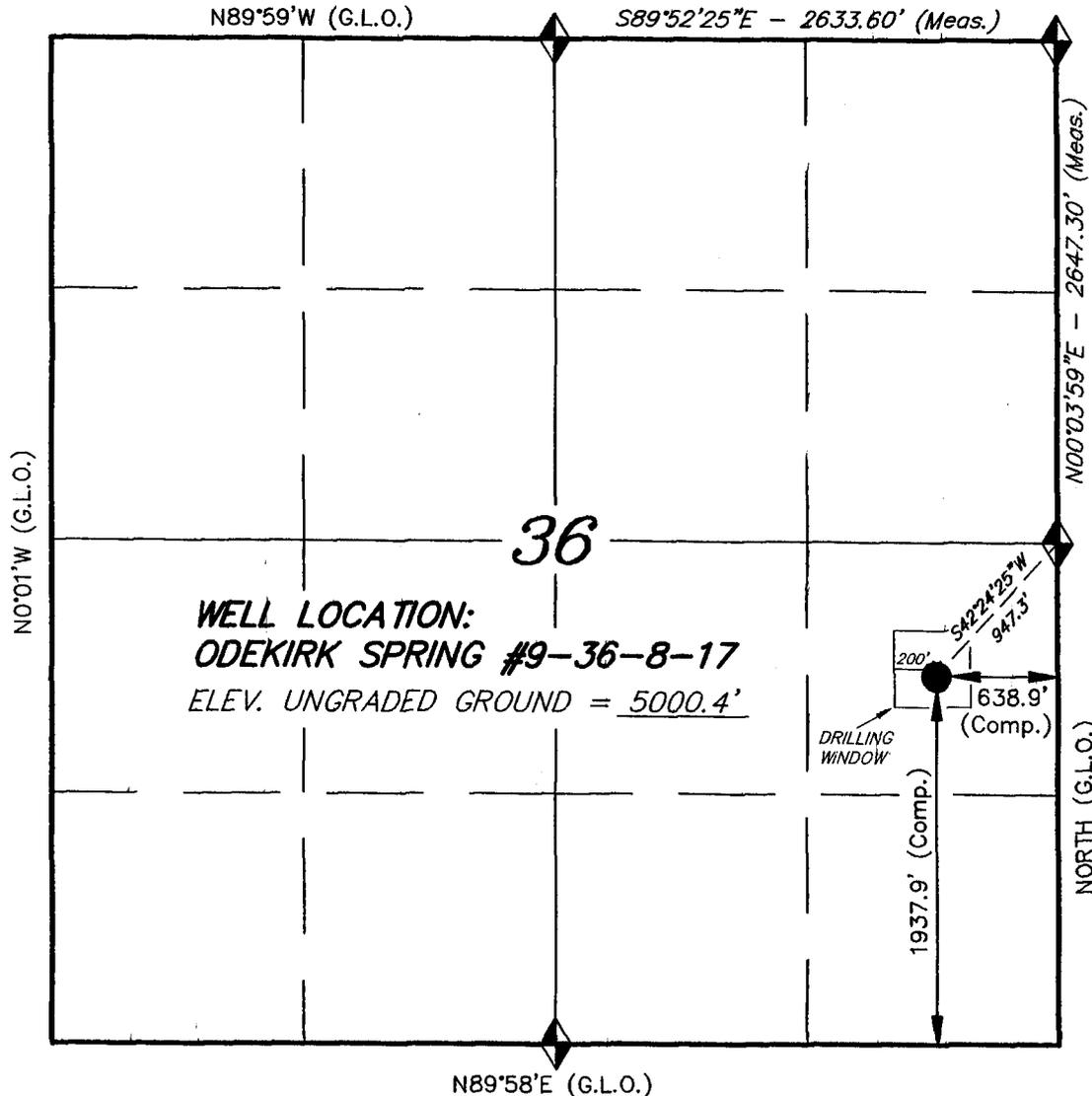
APPROVAL:

*Bradley Hill* **12/1/98**

T8S, R17E, S.L.B.&M.

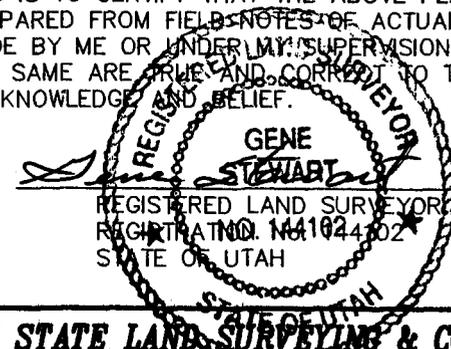
**INLAND PRODUCTION COMPANY**

WELL LOCATION, ODEKIRK SPRING  
#9-36-8-17, LOCATED AS SHOWN IN THE  
NE 1/4 SE 1/4 OF SECTION 36, T8S, R17E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



**WELL LOCATION:**  
**ODEKIRK SPRING #9-36-8-17**  
ELEV. UNGRADED GROUND = 5000.4'

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.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 9-19-98	WEATHER: WARM
REVISIONS:	FILE #

BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

◆ = SECTION CORNERS LOCATED

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

**INLAND PRODUCTION COMPANY  
ODEKIRK SPRING #9-36-8-17  
NE/SE SECTION 36, T8S, R17E  
UINTAH COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 1730'
Green River	1730'
Wasatch	6500'

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

Green River Formation 1730' - 6500' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)  
5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Annular Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050' ±, to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions of 5 lb. - 8 lb. per barrel of DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromate's will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**AIR DRILLING**

In the event that the proposed location be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90 degree turns. Inland also requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

**MUD TYPE**

Surface - 320'	Air
320' - 4200'	Air/Mist & Foam
4200' - TD	The well will be drilled with fresh water through the Green River Formation @ 4200' ±, to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer.) Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300' ±, and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500' ±. The cement bond log will be run from PBTD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

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; nor that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the forth quarter of 1998, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
ODEKIRK SPRING #9-36-8-17  
NE/SE SECTION 36, T8S, R17E  
UINTAH COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Odekirk Spring #9-36-8-17 located in the NE ¼ SE ¼ Section 36, T8S, R17E, S.L.B. & M. Uintah County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 12.9 miles to its junction with an existing dirt road to the northeast; proceed northeasterly along this road - 2.8 miles to its junction with a dirt road to the east; proceed southeasterly 0.2 miles to the beginning of the proposed access road. Refer to Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

Approximately 0.2 miles of access road is proposed.  
See Topographic Map "B".

The proposed access road will be an 18" crown road (9" either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

See Exhibit "D".

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

*\* Public Water Source*

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Odekirk Spring #9-36-8-17. A temporary line may be used for water transportation from our existing supply line, from Johnson Water District, or trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit (90' X 40' X 8' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride chromate's, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the south between stakes 4 & 5.

The stockpiled topsoil (first six (6) inches) will be stored on the east between stakes 2 & 4.

Access to the well pad will be from the west between stakes 7 & 8.

Corners #4, #6, & #8 will be rounded to avoid drainage.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

**10. PLANS FOR RESTORATION OF SURFACE**

a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/ operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion . Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per State of Utah, and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP – State of Utah**

12. **OTHER ADDITIONAL INFORMATION**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report is attached.

***Additional Surface Stipulations***

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

***Hazardous Material Declaration***

Inland Production Company guarantees that during the drilling and completion of the Odekirk Spring #9-36-8-17, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Odekirk Spring #9-36-8-17 we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, UT 84079  
Telephone: (801) 789-1866

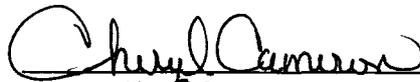
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #9-36-8-17 NE/SE Section 36, Township 8S, Range 17E: Lease #ML-44305 Uintah 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 #4471291.

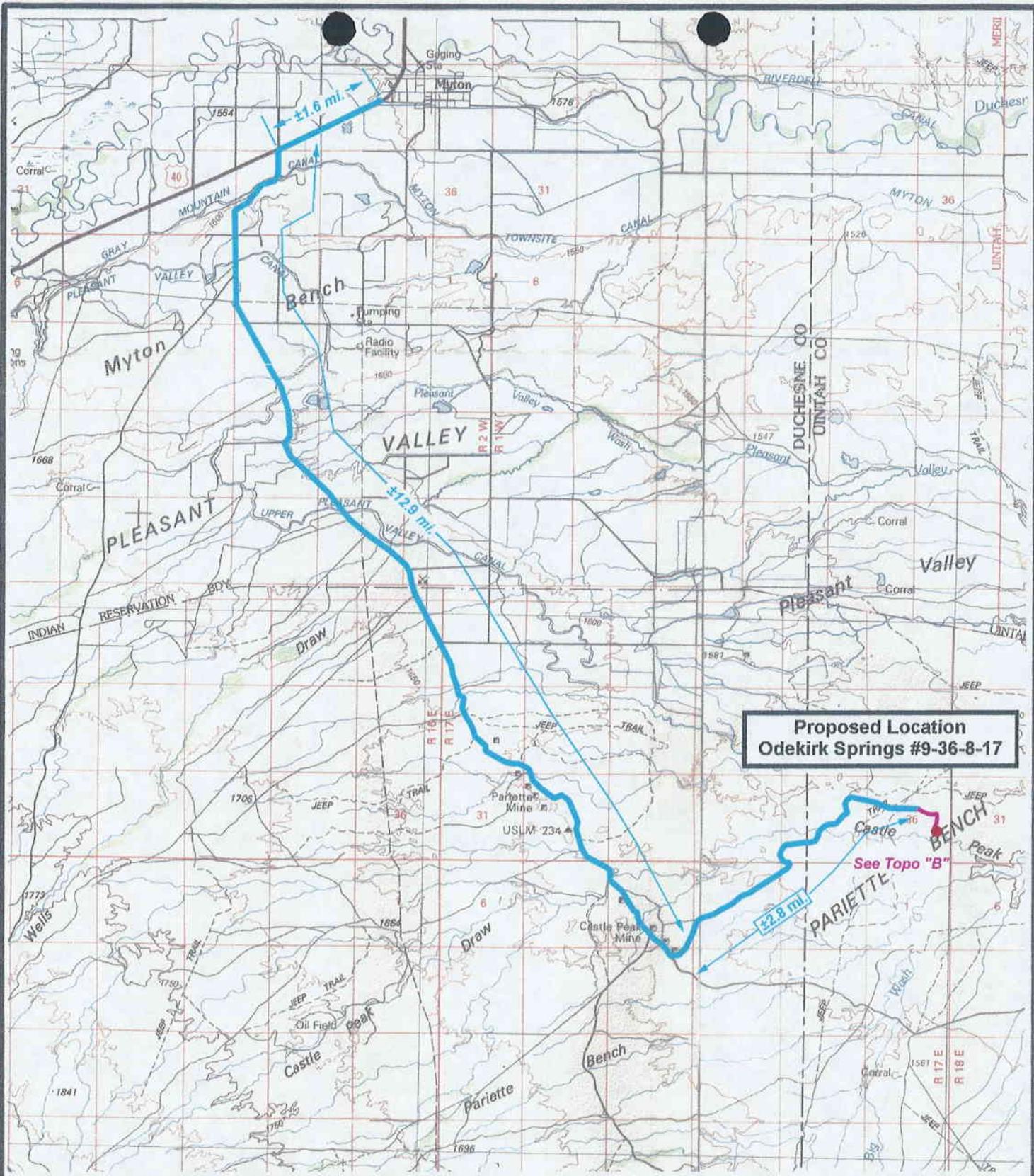
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be 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.

9/22/98

Date



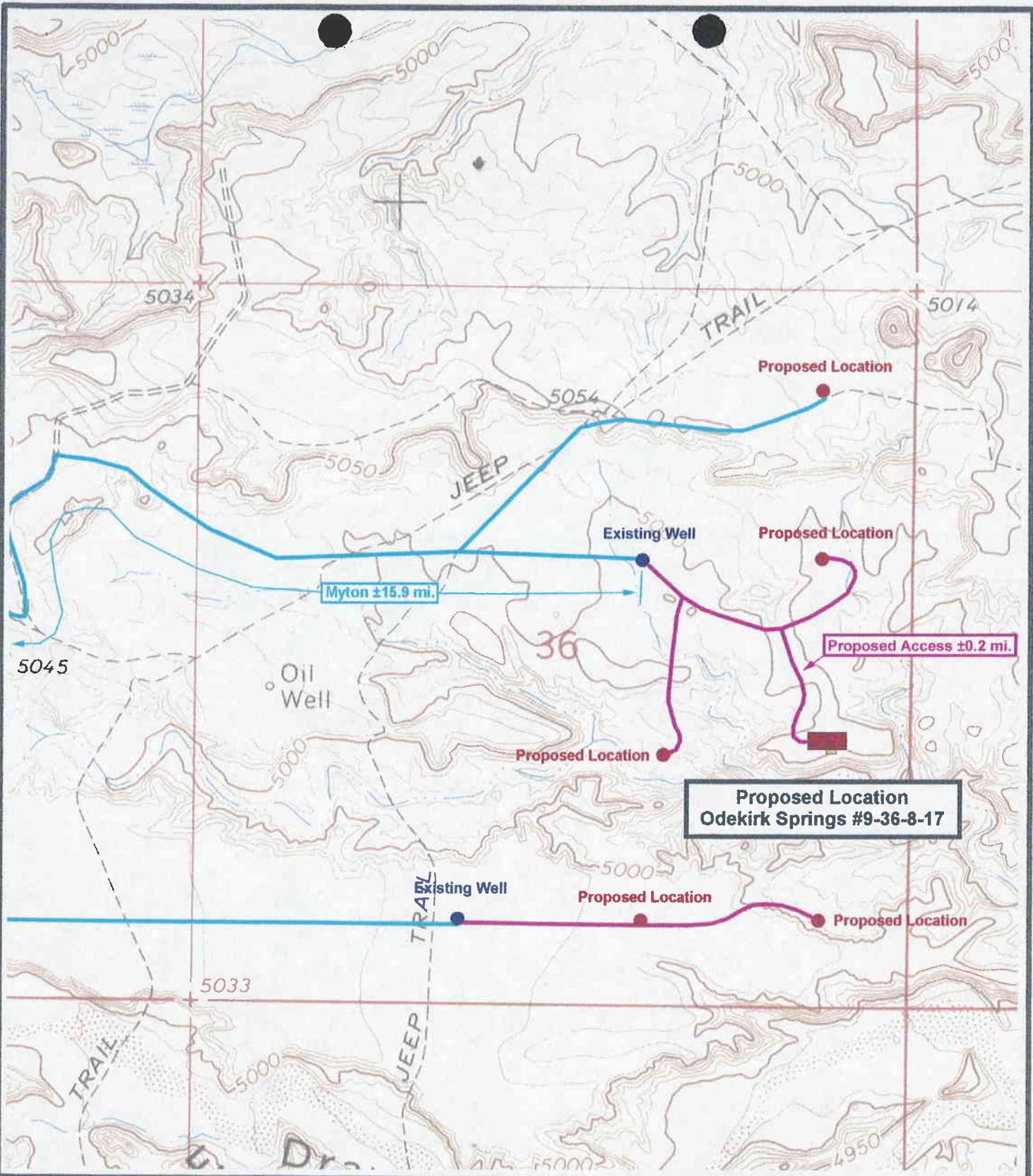
Cheryl Cameron  
Regulatory Specialist



**ODEKIRK SPRINGS #9-36-8-17**  
**SEC. 36, T8S, R17E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "A"**



Drawn By: SS	Revision:
Scale: 1 : 100,000	File:
Date: 9/14/98	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 434-781-2518</b>	



**ODEKIRK SPRINGS #9-36-8-17**  
**SEC. 36, T8S, R17E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "B"**



Drawn By: SS	Revision:
Scale: 1" = 1000'	File:
Date: 9/17/98	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 434-781-2518</b>	



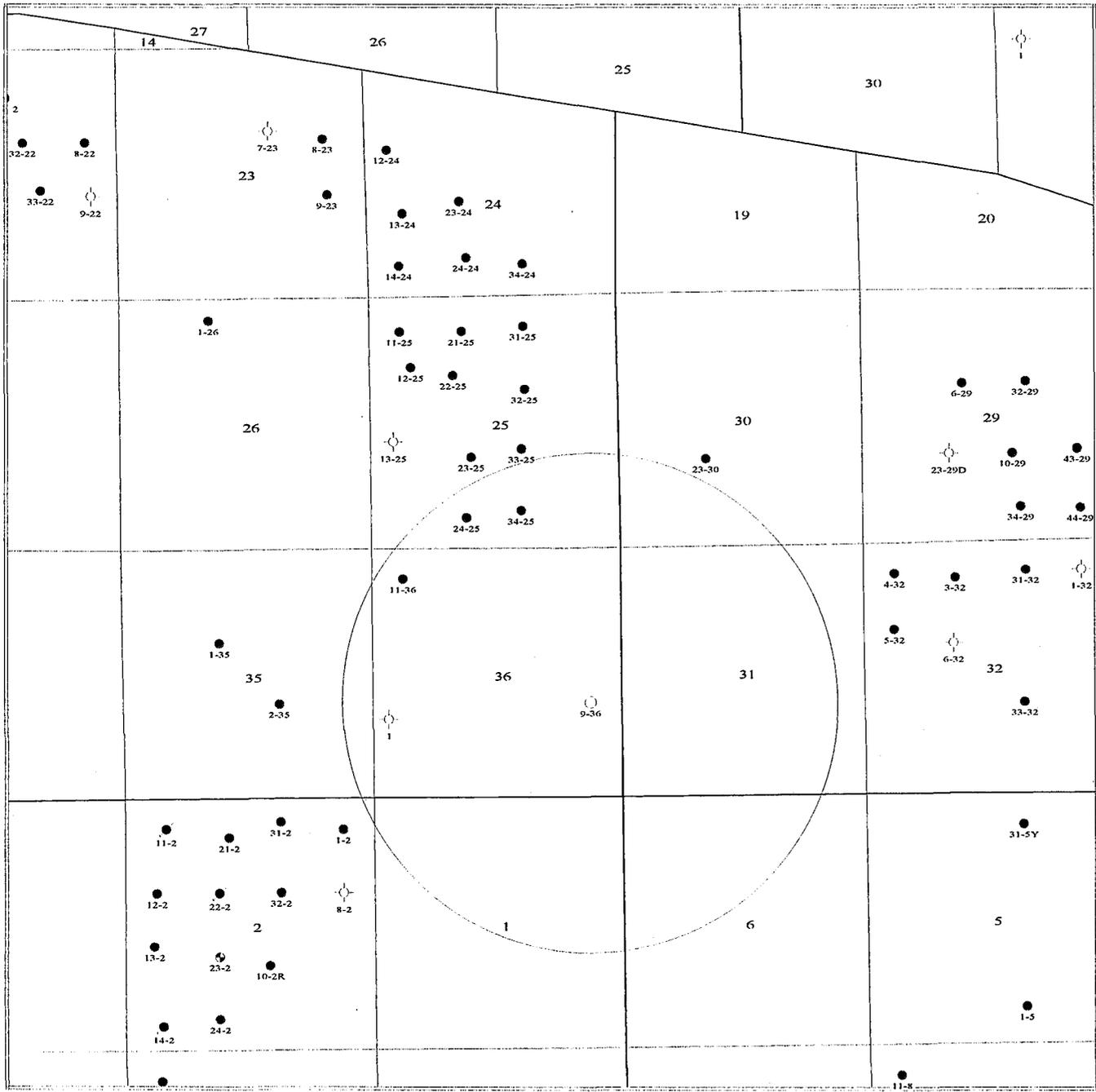
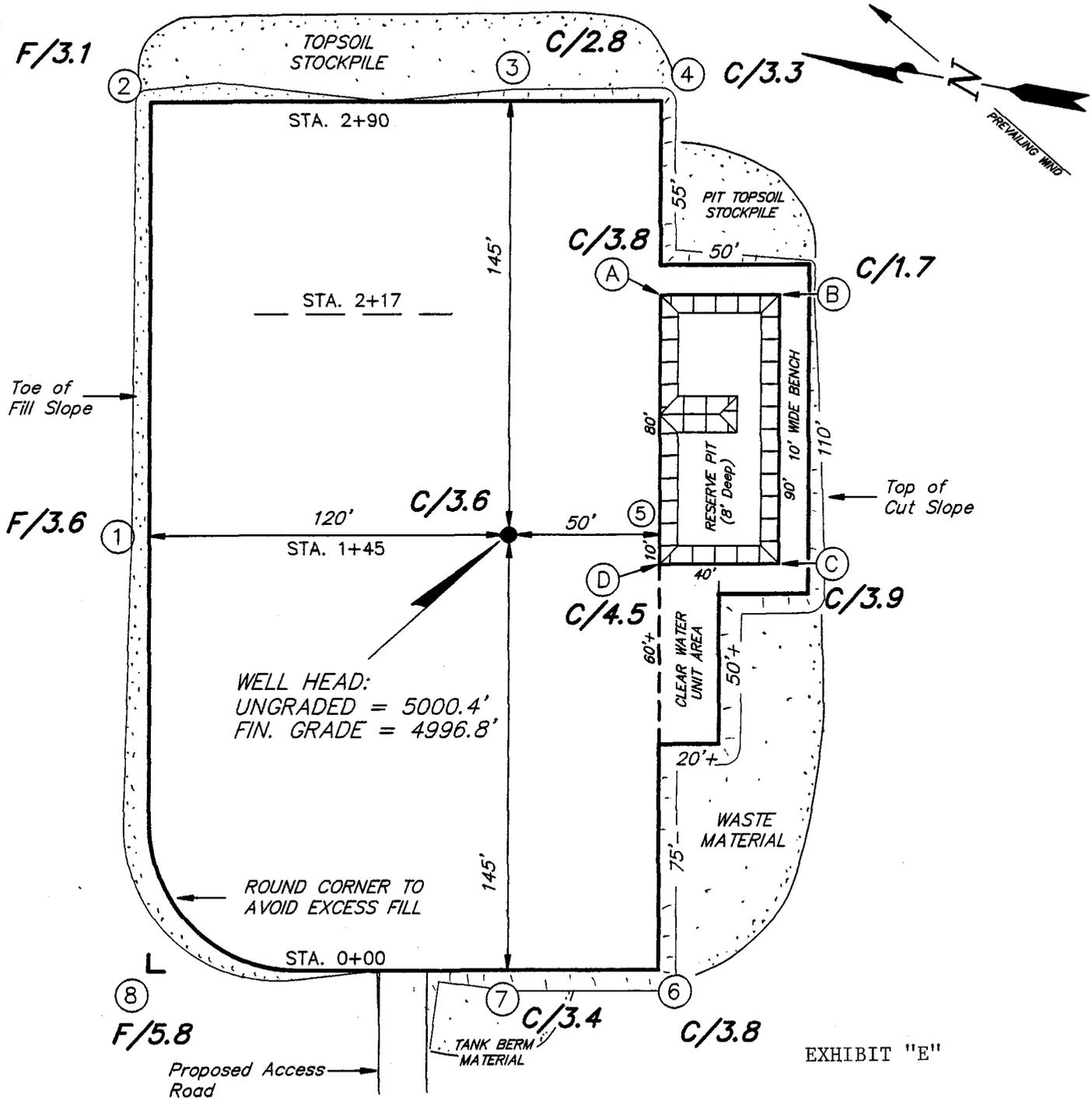


EXHIBIT "D"

INLAND PRODUCTION COMPANY		
ONE MILE RADIUS Odekirk Spring #9-36		
Josh Axelson		2/3/1998
Scale 1:50044.37		

# INLAND PRODUCTION COMPANY

ODEKIRK SPRING #9-36-8-17  
SEC. 36, T8S, R17E, S.L.B.&M.



**REFERENCE POINTS**

195' EAST = 4998.9'  
245' EAST = 4998.3'

SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	9-20-98
SCALE:	1" = 50'
FILE:	

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

CROSS SECTIONS

ODEKIRK SPRING #9-36-8-17

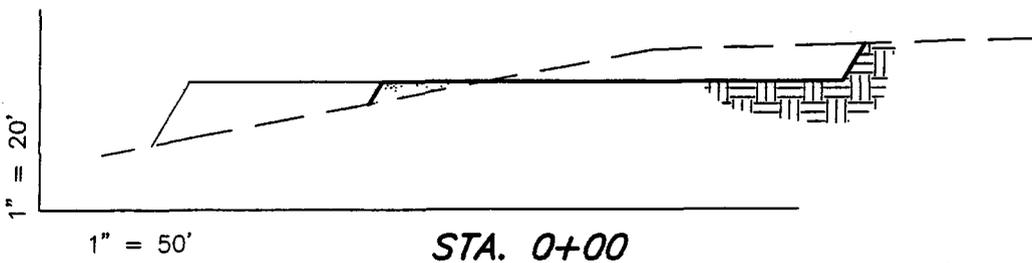
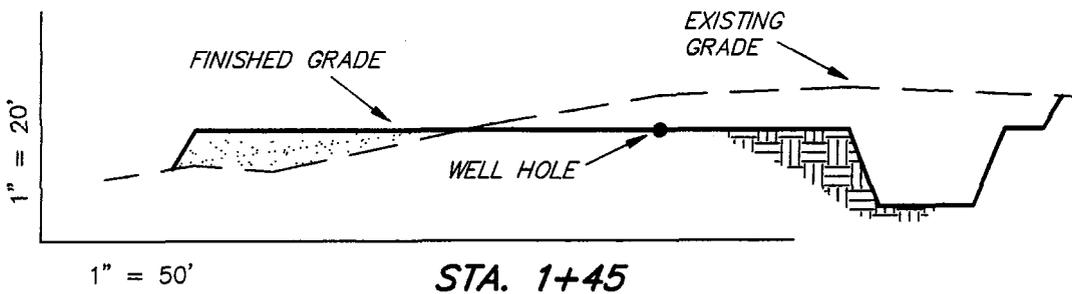
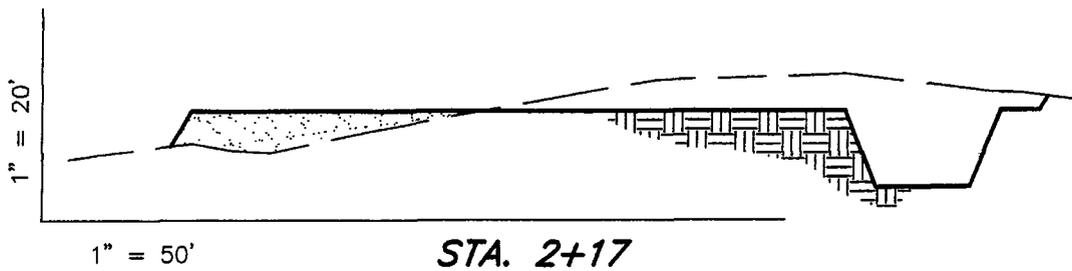
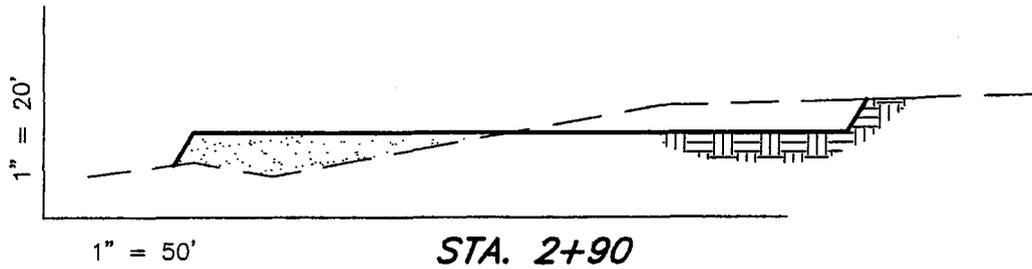


EXHIBIT "E-1"

APPROXIMATE YARDAGES

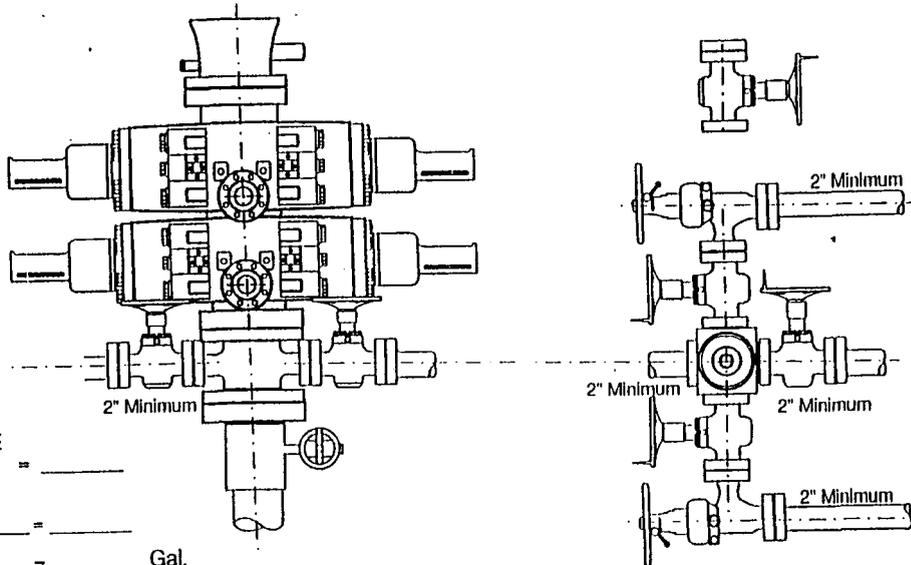
- CUT = 2,740 Cu. Yds.
- FILL = 2,740 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,030 Cu. Yds.

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:

2-M SYSTEM



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: 09/28/98

API NO. ASSIGNED: 43-047-33197

WELL NAME: ODEKIRK SPRING 9-36-8-17  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)  
 CONTACT: Cheryl Cameron (435) 789-1866

PROPOSED LOCATION:  
 NESE 36 - T08S - R17E  
 SURFACE: 1938-FSL-0639-FEL  
 BOTTOM: 1938-FSL-0639-FEL  
 UINTAH COUNTY  
 EIGHT MILE FLAT NORTH FIELD (590)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering	<i>RJK</i>	<i>12-1-98</i>
Geology		
Surface		

LEASE TYPE: STA  
 LEASE NUMBER: ML-44305  
 SURFACE OWNER: State

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Federal  State  Fee   
 (No. 4471291)

Potash (Y/N)  
 Oil Shale (Y/N) \*190-5(B)  
 Water Permit  
 (No. Johnson Water District)

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

N/A St/Fee Surf Agreement (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit \_\_\_\_\_

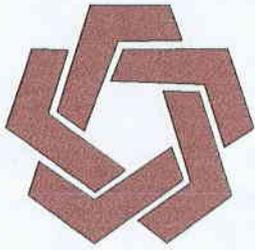
R649-3-2. General

\_\_\_ R649-3-3. Exception

\_\_\_ Drilling Unit  
 Board Cause No: \_\_\_\_\_  
 Date: \_\_\_\_\_

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

STIPULATIONS: ① STATEMENT OF BASIS  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



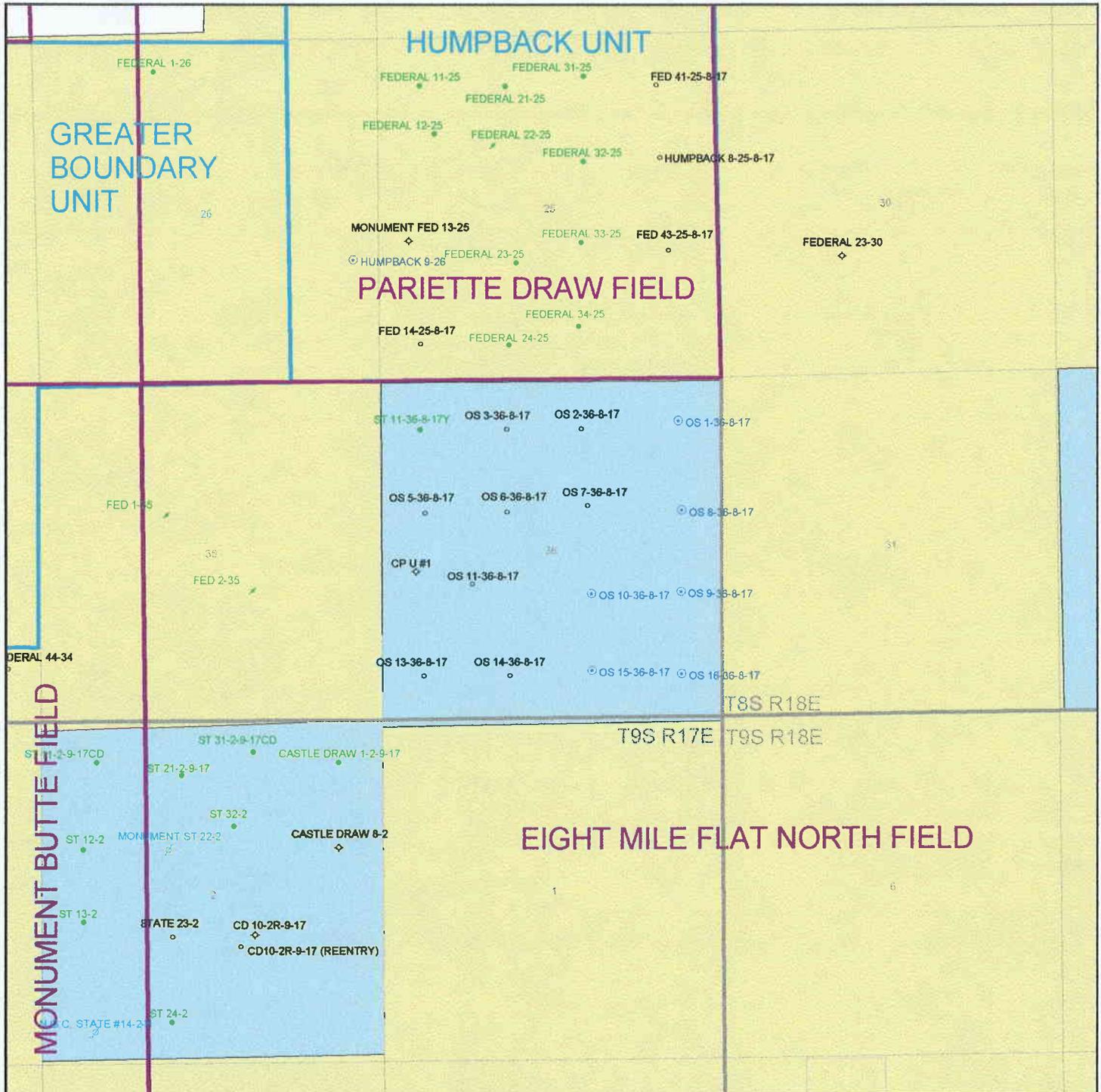
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION COMPANY (N5160)

FIELD: EIGHT MILE FLAT NORTH (590)

SEC. 36, TWP 8S, RNG 17E,

COUNTY: UINTAH STATE TRUST LANDS



DATE PREPARED:  
2-OCT-1998

**DIVISION OF OIL, GAS AND MINING**  
**APPLICATION FOR PERMIT TO DRILL**  
**STATEMENT OF BASIS**

**Operator Name:** INLAND PRODUCTION CO.

**Name & Number:** ODEKIRK SPRING 9-36

**API Number:** 43-047-33197

**Location:** 1/4,1/4 NE/SE Sec. 36 T. 8S R. 17E

**Geology/Ground Water:**

The base of the moderately saline ground water is expected to be near the ground surface at this location. The Uinta Formation should have very limited fresh water resources in the near surface. The proposed casing and cement program should adequately protect any fresh water resources.

**Reviewer:** Brad Hill

**Date:** 11/24/98

**Surface:**

The pre-site investigation of the surface was performed by field personnel on 11/20/98. All applicable surface management agencies have been notified. No other agency personnel chose to attend. This site has very little soil. There are numerous sandstone outcroppings and a sandstone ledge very near the surface. .

**Reviewer:** DAVID W. HACKFORD

**Date:** 11/23/98

**Conditions of Approval/Application for Permit to Drill:**

1. Reserve pit shall be constructed southeast of wellbore.
2. A 12 mil liner will be required in the reserve pit.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: INLAND PRODUCTION CO.  
WELL NAME & NUMBER: ODEKIRK SPRING 9-36  
API NUMBER: 43-047-33197  
LEASE: ML 44305 FIELD/UNIT: MONUMENT BUTTE  
LOCATION: 1/4, 1/4 NE/SE Sec: 36 TWP: 8S RNG: 17E 1938' FSL 639' FEL  
GPS COORD (UTM) 12589821E 4436131N  
SURFACE OWNER: STATE TRUST LANDS

PARTICIPANTS

BRAD MECHAM, (INLAND); DAVID W. HACKFORD (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS LOCATED IN A ROUGH BROKEN AREA OF VERY ROCKY KNOLLS AND DRAWS.  
DRAINAGE IS TO THE SOUTH AND SOUTHEAST.

SURFACE USE PLAN

CURRENT SURFACE USE: LIVESTOCK AND WILDLIFE GRAZING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 290' X 210'.  
ACCESS ROAD WILL BE 0.2 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP  
FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES:  
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER  
DRILLING WELL. IT ISN'T EXPECTED THAT A PIPELINE WILL BE REQUIRED FOR  
THIS WELL.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE  
BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT  
WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO  
STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE  
HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH  
BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SHADSCALE, SAGE, SALTBRUSH:  
PRONGHORN, RODENTS, COYOTES, SONGBIRDS, RAPTORS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SAND WITH VERY LITTLE CLAY.

SURFACE FORMATION & CHARACTERISTICS: UINTAH FORMATION, SOUTH FLANK OF  
THE UINTAH MOUNTAINS.

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION,  
NO STABILITY PROBLEMS ANTICIPATED.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 110' BY 40' AND 8' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL BE  
REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER STATE LANDS.

SURFACE AGREEMENT: STATE TRUST LANDS.

CULTURAL RESOURCES/ARCHAEOLOGY: A REPORT OF THE ARCHAEOLOGY INVESTIGATION  
WAS SUBMITTED WITH THE APD.

OTHER OBSERVATIONS/COMMENTS

INVESTIGATION WAS DONE ON A COLD DAY WITH NO SNOW COVER.

ATTACHMENTS:

PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

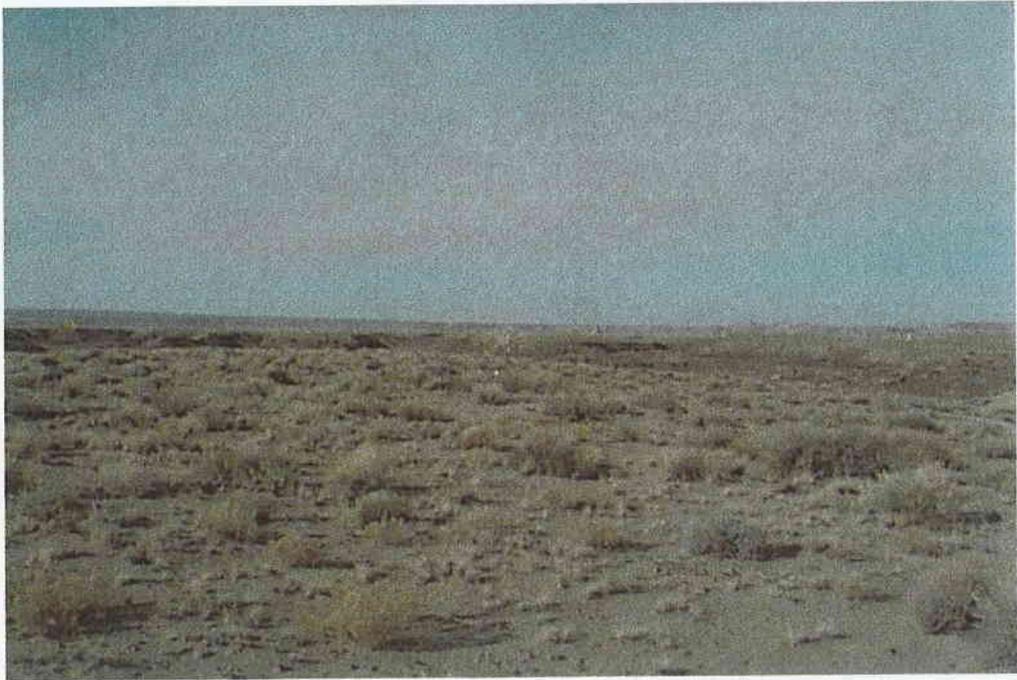
11/20/98 10:00 AM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>10</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
<b>Final Score (Level I Sensitivity)</b>		<u>25</u>











Well name:	<b>Inland Odekirk 9-36-8-17</b>		
Operator:	<b>Inland Production Company</b>		
String type:	<b>Surface</b>	Project ID:	<b>43-047-33197</b>
Location:	<b>Uintah Co.</b>		

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<u><b>Collapse</b></u>	<u><b>Collapse:</b></u>	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 75 °F
Design is based on evacuated pipe.		Bottom hole temperature 79 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 300 ft
	<u><b>Burst:</b></u>	Cement top: 0 ft
	Design factor 1.00	
<u><b>Burst</b></u>		
Max anticipated surface pressure: 130 psi	<u><b>Tension:</b></u>	Non-directional string.
Internal gradient: 0.003 psi/ft	8 Round STC: 1.80 (J)	
Calculated BHP 131 psi	8 Round LTC: 1.80 (J)	
No backup mud specified.	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	
	Body yield: 1.50 (B)	<b>Re subsequent strings:</b>
	Tension is based on buoyed weight.	Next setting depth: 6,500 ft
	Neutral point: 262 ft	Next mud weight: 8.400 ppg
		Next setting BHP: 2,836 psi
		Fracture mud wt: 19.250 ppg
		Fracture depth: 300 ft
		Injection pressure 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	131	1370	10.48	131	2950	22.56	6	244	38.82 J

Prepared RJK  
by: State of Utah

Date: December 1, 1998  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
In addition, burst strength is biaxially adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	<b>Inland Odekirk 9-36-8-17</b>	
Operator:	<b>Inland Production Company</b>	
String type:	<b>Production</b>	Project ID: <b>43-047-33197</b>
Location:	<b>Uintah Co.</b>	

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 391 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.436 psi/ft  
Calculated BHP 2,836 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.  
Neutral point: 5,674 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.42	2836	4812	1.70	88	217	2.47 J

Prepared RJK  
by: State of Utah

Date: December 1, 1998  
Salt Lake City, Utah

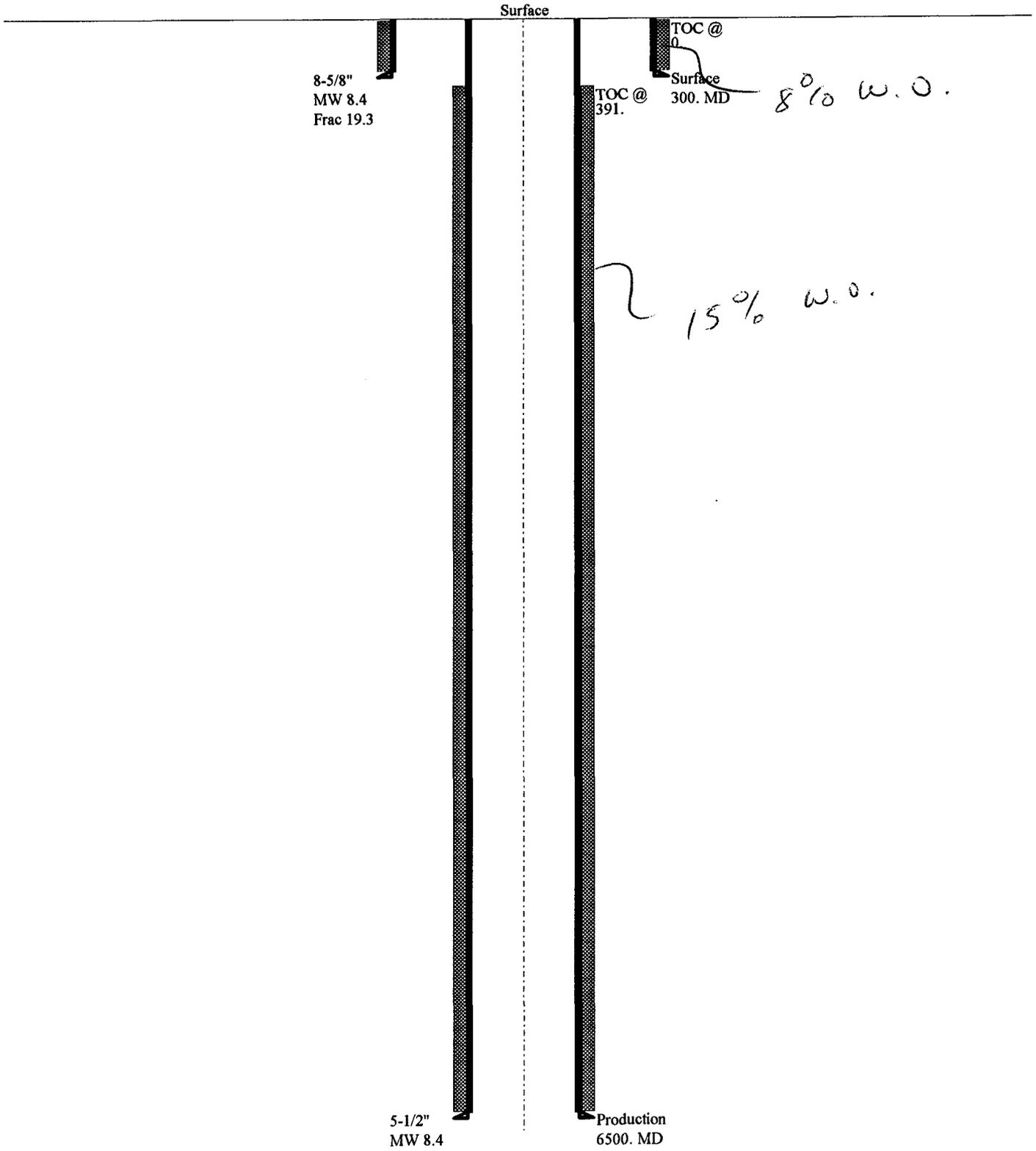
**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
In addition, burst strength is biaxially adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# Inland Odekirk 9-36-8-17

## Casing Schematic





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

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

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

December 1, 1998

Inland Production  
P.O. Box 790233  
Vernal, Utah 84079

Re: Odekirk Spring 9-36-8-17 Well, 1938' FSL, 639' FEL, NE SE, Sec. 36, T. 8 S.,  
R. 17 E., Uintah 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 43-047-33197.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Associate Director

lwp  
Enclosures

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

**Operator:** Inland Production Company

**Well Name & Number:** Odekirk Spring 9-36-8-17

**API Number:** 43-047-33197

**Lease:** State **Surface Owner:** State

**Location:** NE SE **Sec.** 36 **T.** 8 S. **R.** 17 E.

### 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 of the following actions during drilling of this well:

- . 24 hours prior to cementing or testing casing
- . 24 hours prior to testing blowout prevention equipment
- . 24 hours prior to spudding the well
- . within 24 hours of any emergency changes made to the approved drilling program
- . prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- . Dan Jarvis at (801) 538-5338
- . Robert Krueger at (801) 538-5274 (plugging)
- . Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals shall 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. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

#### 5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical, or paleontological remains be encountered during your operations you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)  OIL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-44305</b>  6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>  7. UNIT AGREEMENT NAME  <b>N/A</b>
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>Odekirk Spring 9-36-8-17</b>
3. ADDRESS OF OPERATOR <b>410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102</b>		9. WELL NO. <b>9-36</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SE 1938' FSL 639' FEL</b>		10. FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SE Sec. 36 T8S R17E</b>
14. API NUMBER <b>43-047-33197</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5000.4' GR</b>	12. COUNTY OR PARISH <b>Uintah</b>
		13. STATE <b>UT</b>

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

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

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

Inland Production Company requests that a one year APD extension be granted to the above referenced location

**COPY SENT TO OPERATOR**  
Date: 2-16-00  
Initials: JCH

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

Date: 2/16/00  
By: [Signature]

RECEIVED

FEB 14 2000

DIVISION OF  
OIL, GAS AND MINING

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

SIGNED <u>Jon Holst</u>	TITLE <u>Counsel</u>	DATE <u>2/10/99</u>
-------------------------	----------------------	---------------------

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

**INLAND PRODUCTION COMPANY**  
**GEOLOGIC PROGNOSIS AND LOG DISTRIBUTION LIST**  
(Updated 8/24/00)

**WELL:** Odekirk Spring 9-36-8-17

**API Number:** 43-047-33197

**LOCATION:** 1938' FSL, 639' FEL (NESE)  
Section 36, T8S, R17E  
Uintah County, Utah

**ELEVATION:** 5000' Ground  
5010' KB

**TOPS:**

Uinta Formation	surface
Green River Formation	
Garden Gulch Member	3935'
Point Three Marker	4435'
'X' Marker	4655'
'Y' Marker	4690'
Douglas Creek Member	4820'
Bicarbonate	5050'
B Limestone	5160'
Castle Peak Limestone	5650'
Basal Limestones	

**ANTICIPATED PAY SANDS:**

D-2	4900'
C	5000'
B-1	5125'
A-3	5325'
LODC	5360'
CP-2	5670'
CP.5	5720'

**TOTAL DEPTH:** 5920'

**CORES:** None planned  
**DSTS:** None planned

**SAMPLES:** 30' samples from 3000' to TD

**DRILLING:**

Union Rig#14: (435) 828 6434  
Pusher: (435) 828 6433 Rex Harris  
Superintendent: David Gray (435) 828 8031 (cellular)

**REPORT WATER FLOWS TO UTAH DIVISION OF OIL, GAS AND MINING:** (801) 538 5340

**OPEN HOLE LOGGING:**

Phoenix Surveys: David Jull (435) 637 4420  
DIGL/SP/GR Suite: TD to surface casing  
CDL/CNL/GR/CAL Suite logs: TD to 3000'  
Gamma Ray scale 0-150  
Matrix density 2.68  
LAS data floppy required.

**DATA DISTRIBUTION:**

Inland Production Company (Mail 6 copies)  
Route #3 Box 3630  
Myton, UT 84052  
Attn: Brad Mecham

Inland Production Company (Mail 6 copies,  
EXPRESS)  
410 17th St., Suite 700  
Denver, CO 80202  
Fax: 303-382-4455  
Attn: Madalyn M. Runge

State of Utah  
Division of Oil, Gas and Mining (Mail 1 copy)  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Bureau of Land Management (Mail 1 copy)  
170 S. 500 East  
Vernal, UT 84078  
Attn: Ed Forsman

**COMPANY CONTACTS:**

**Pat Wisener** (District Drilling Foreman)  
(435) 646 3721 office  
(435) 646 3031 office fax  
(435) 823 7468 cellular  
(435) 646 1270 pager

**Brad Mecham** (District Manager)  
(435) 646 3721 office  
(435) 646 3031 office fax  
(435) 823 6205 cellular  
(435) 353 4211 home

**Kevin Weller** (Operations Manager)  
(303) 382-4436 office  
(303) 279-7945 home  
(303) 358-3080 cellular

**PARTNERS:**

Yates Drilling Company  
Abo Petroleum Corporation  
Myco Industries, Inc.  
Attention: Mark Mauritsen  
105 South Fourth Street  
Artesia, NM 88210  
(505) 748 1471  
(505) 748 4570 office fax  
(Mail 1 field print & 2 copies of the final prints)  
**(Fax 1 Field print to: (505) 748 4321)**

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)  OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 44305</b>  6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A  7. UNIT AGREEMENT NAME  N/A  8. FARM OR LEASE NAME <b>Odekirk Spring</b>  9. <b># 9-36-8-17</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		10. FIELD AND POOL, OR WILDCAT <b>Monument Butte</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 36, T8s, R17E</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1938' FSL &amp; 639' FEL NE/SE</b>		12. COUNTY OR PARISH <b>Uintah</b>	
14. API NUMBER <b>43-047-33197</b>		13. STATE <b>UT</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5000.4' GR</b>			

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>Spud notice</u> <input checked="" type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	

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

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

MIRU Ross rig #14. Spud well @ 1:30pm on 10/03/00. Drill 12 1/4" hole to a depth of 307'. PU & MU 7 jt's 85/8" J-55 24# csgn set depth of 292.34 G. L. On 10/05/00 Rig up B.J. and cement as follows: Cement with \*155 sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Estimated 6 bbls cement to surface. Wait on drilling rig.

**RECEIVED**  
OCT 11 2000  
DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct  
SIGNED D. W. Soren TITLE Drilling Foreman DATE 10/09/2000

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 302.34

LAST CASING 8 5/8" SET AT 302.34  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 307' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL Odekirk Springs 9-36-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Union # 14

LOG OF CASING STRING:										
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH			
		LANDING JT					3.7			
		WHI - 92 csg head			8rd	A	0.95			
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	290.49			
		<b>GUIDE</b> shoe			8rd	A	0.9			
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		296.04			
TOTAL LENGTH OF STRING			296.04	7	LESS CUT OFF PIECE		3.7			
LESS NON CSG. ITEMS			5.55		PLUS DATUM TO CUT OFF CSG		10			
PLUS FULL JTS. LEFT OUT			0		CASING SET DEPTH		<b>302.34</b>			
TOTAL			290.49	7	COMPARE }					
TOTAL CSG. DEL. (W/O THRDS)			290.49	7						
TIMING			1ST STAGE		RECEIVED OCT 11 2000 DIVISION OF OIL, GAS AND MINING					
BEGIN RUN CSG.			RAT Hole					GOOD CIRC THRU JOB		YES
CSG. IN HOLE								Bbls CMT CIRC TO SURFACE		6 BBLS
BEGIN CIRC								RECIPROCATED PIPE FOR		THRU _____ FT STROKE
BEGIN PUMP CMT								DID BACK PRES. VALVE HOLD ?		N/A
BEGIN DSPL. CMT								BUMPED PLUG TO		250 PSI
PLUG DOWN			cemented	10/05/2000						
CEMENT USED			CEMENT COMPANY- <b>BJ</b>							
STAGE	# SX	CEMENT TYPE & ADDITIVES								
1	155	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield								
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING							
Centralizers - Middle first, top second & third for 3										

COMPANY REPRESENTATIVE Pat Wisener

DATE 10/05/2000

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)  OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 44305</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		7. UNIT AGREEMENT NAME  <b>N/A</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. * See also space 17 below.) At surface <b>1938' FSL &amp; 639' FEL NE/SE</b>		8. FARM OR LEASE NAME <b>Odekirk Spring</b>	
14. API NUMBER <b>43-047-33197</b>		9. <b># 9-36-8-17</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5000.4' GR</b>		10. FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>	
12. COUNTY OR PARISH <b>Uintah</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 36, T8s, R17E</b>	
13. STATE <b>UT</b>			

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

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

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

Weekly status for the period of 10/09/00 thru 10/16/00.

MIRU Union # 14 on 10/12/00.

Test BOP's, TIW, Kelly, & Choke Manifold to 2,000 psi. Test 8 5/8" csgn to 1,500 psi. Roosevelt office of DOGM was notified by phone. PU & MU drill string & BHA. Tag cement top @ 289'. Drill out cement & shoe. Drill 7 7/8" hole with air to a depth of 3520'.

18 I hereby certify that the foregoing is true and correct

SIGNED *Pat Wiseno* TITLE Drilling Foreman DATE 10/16/2000

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
 DIVISION OF OIL, GAS & MINING  
 OCT 17 2000  
 SALT LAKE CITY, UTAH

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 302.34

LAST CASING 8 5/8" SET AT 302.34  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 307' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL Odekirk Springs 9-36-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Union # 14

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					3.7
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	290.49
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			296.04
TOTAL LENGTH OF STRING		296.04	7	LESS CUT OFF PIECE			3.7
LESS NON CSG. ITEMS		5.55		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>302.34</b>
TOTAL		290.49	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		290.49	7				
TIMING		1ST STAGE		} GOOD CIRC THRU JOB <u>YES</u> Bbls CMT CIRC TO SURFACE <u>6 BBLs</u> RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE DID BACK PRES. VALVE HOLD ? <u>N/A</u> BUMPED PLUG TO _____ 250 _____ PSI			
BEGIN RUN CSG.		RAT Hole					
CSG. IN HOLE							
BEGIN CIRC							
BEGIN PUMP CMT							
BEGIN DSPL. CMT							
PLUG DOWN		cemented	10/05/2000				
CEMENT USED		CEMENT COMPANY- <b>BJ</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	155	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Pat Wisener DATE 10/05/2000

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 44305</b>	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  N/A	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>Odekirk Spring</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. <b># 9-36-8-17</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1938' FSL &amp; 639' FEL NE/SE</b>		10. FIELD AND POOL, OR WILDCAT <b>Monument Butte</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 36, T8s, R17E</b>	
14. API NUMBER <b>43-047-33197</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5000.4' GR</b>	12. COUNTY OR PARISH <b>Uintah</b>	13. STATE <b>UT</b>

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

<p>NOTICE OF INTENTION TO:</p> <p>TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(OTHER) _____ <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/></p> <p>x (OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/></p> <p>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>
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17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Weekly status for the period of 10/16/00 thru 10/19/00.

Con't to drill 7 7/8" hole with air mist to a depth of 3817'. TOH with drill sting and PU & MU bit #2, MM & BHA. Drill a 7 7/8" hole with water based mud to a depth of 5939' Lay down drill string & BHA .Open hole log. PU & MU 1jt 51/2" csgn. Float collar, 138jt's 51/2" 15.5# J-55 csgn. Set @ 5920/KB. Cement with the following; \*275 sks Premlite II w/10% GEL. & 3% KCL mixed to 11.ppg >3.43 YLD. \*550 sks 50/50 POZ w/3% GEL. & 3% KCL mixed to 14.4 ppg. >1.23YLD. Lost circulation with 18 bbls dye to surface. Est cement top 22 bbls from surface. Bump plug to 2385 psi. Nipple down BOP's. Drop slips with 68,000#. Release rig @ 10:00pm on 10/18/00. WOC

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

SIGNED *Pat Wisena* TITLE Drilling Foreman DATE 10/23/2000

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5920.09/KB

F.C.=5882

LAST CASING 8 5/8" SET AT 305.59

OPERATOR Inland Production Company

DATUM 10' KB

WELL Odekirk Springs 9-36-8-17

DATUM TO CUT OFF CASING \_\_\_\_\_

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # Union # 14

TD DRILLER 5939' LOGGER 5951'

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					14
138	5 1/2"	Maverick LT&C csg	15.5#	J-55	8rd	A	5872.73
		Float Collar (auto fill)			8rd	A	0.65
1	5 1/2"	Maverick LT&C csg	15.5#	J-55	8rd	A	36.11
		<b>GUIDE</b> shoe			8rd	A	0.6
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5924.09
TOTAL LENGTH OF STRING		5924.09	139	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		127.25	3	CASING SET DEPTH			<b>5920.09</b>
TOTAL		6036.09	142	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6036.09	142				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB			<b>NO</b>
BEGIN RUN CSG.		12:00pm		Bbls CMT CIRC TO SURFACE			18 BBLs DYE
CSG. IN HOLE		3:00pm		RECIPROCATED PIPE FOR 15 mins. THRU 5' FT STROKE			
BEGIN CIRC		3:15pm	5:15pm	DID BACK PRES. VALVE HOLD ?			<b>YES</b>
BEGIN PUMP CMT		5:22pm	5:44pm	BUMPED PLUG TO			2385 PSI
BEGIN DSPL. CMT			6:09pm				
PLUG DOWN			6:45pm				

CEMENT USED		CEMENT COMPANY- <b>BJ</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	275*	Prem Lite II w/ 10% GEL & 3% KCL mixed to 11.0 ppg > 3.43 YLD	
2	550*	50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.4 ppg > 1.23 YLD	

CENTRALIZER & SCRATCHER PLACEMENT SHOW MAKE & SPACING

Centralizers - Middle first, top second & third. Then every third collar for a total of 20

Had 85 bbls of displacement pumped when we lost 1/2 of return rate. Slowed pump rate, kept 1/2 return's. 128 bbls of 140 bbls we lost total returns. 22 bbls short of cement to surface.

P. 02

FAX NO. 435.646.3031

INLAND PRODUCTION CO

OCT-31-00 TUE 01:53 PM

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

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

OPERATOR ACCT. NO. N5160

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	12937	43-047-33197	Odekirk Springs #9-36	NE/SE	36	8S	17E	Uintah	October 3, 2000	10/03/2000

WELL 1 COMMENTS

10-31-00

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	12938	43-013-32126	South Wells Draw #12-2	NW/SW	2	9S	16E	Duchesne	October 9, 2000	10/09/2000

WELL 2 COMMENTS

10-31-00

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	12939	43-013-32127	South Wells Draw #13-2	SW/NW	2	9S	16E	Duchesne	October 13, 2000	10/13/2000

WELL 3 COMMENTS

10-31-00

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B X	99999	12418	43-013-32119	West Point #9-31	NE/SE	31	8S	16E	Duchesne	October 17, 2000	10/17/2000

WELL 4 COMMENTS

10-31-00

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B X	99999	12276	43-013-31789	Wells Draw #5-5	SW/NW	5	9S	16E	Duchesne	October 19, 2000	10/19/2000

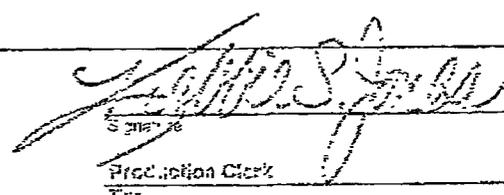
WELL 5 COMMENTS

10-31-00

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well completion
- B - Add new well to existing entity
- C - Reassign well from one existing entity to another existing entity
- D - Reassign well from one existing entity to a new entity
- E - Operate under a new completion

NOTE: Use COUNTY in Section 10, and section Code and section



Keith S. Jones

Production Clerk  
Title

October 31, 2000  
Date

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-44305</b>	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME  NA	
<b>3. ADDRESS OF OPERATOR</b> Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		8. FARM OR LEASE NAME <b>Odekirk Spring 9-36-8-17</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1938' FSL &amp; 639' FEL NE/SE</b>		9. <b>9-36-8-17</b>	
<b>14 API NUMBER</b> <b>43-047-33197</b>		10 FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5000.4'</b>		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Section 36, T8S, R17E</b>	
<b>12 COUNTY OR PARISH</b> <b>Uintah</b>		13 STATE <b>UT</b>	

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

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

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

Status report for time period 11/13/00 through 11/19/00.  
Subject well had completion procedures initiated on 11/15/00. A total of four Green River intervals were perforated and hydraulically fractured. Bridge plugs and sand plugs are being removed from wellbore at present time.

18 I hereby certify that the foregoing is true and correct

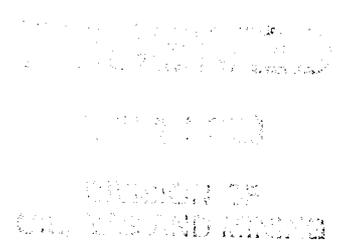
SIGNED Gary Dietz TITLE Completion Foreman DATE 11/20/00  
Gary Dietz

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side



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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)  OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <p style="text-align: center;"><b>ML-44305</b></p>	
<b>2. NAME OF OPERATOR</b> <p style="text-align: center;"><b>INLAND PRODUCTION COMPANY</b></p>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <p style="text-align: center;">N/A</p>	
<b>3. ADDRESS OF OPERATOR</b> <p style="text-align: center;"><b>Route 3, Box 3630 Myton, Utah 84052</b> <b>(435) 646-3721</b></p>		<b>7. UNIT AGREEMENT NAME</b>  <p style="text-align: center;">NA</p>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p style="text-align: center;"><b>1938' FSL &amp; 639' FEL NE/SE</b></p>		<b>8. FARM OR LEASE NAME</b> <p style="text-align: center;"><b>Odekirk Spring 9-36-8-17</b></p>	
<b>14. API NUMBER</b> <p style="text-align: center;"><b>43-047-33197</b></p>		<b>9.</b> <p style="text-align: center;"><b>9-36-8-17</b></p>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <p style="text-align: center;"><b>5000.4'</b></p>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <p style="text-align: center;"><b>Monument Butte</b></p>	
<b>12. COUNTY OR PARISH</b> <p style="text-align: center;"><b>Uintah</b></p>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <p style="text-align: center;"><b>Section 36, T8S, R17E</b></p>	
<b>13. STATE</b> <p style="text-align: center;"><b>UT</b></p>			

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	

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

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

Status report for time period 11/20/00 through 11/26/00.  
 Subject well had completion procedures initiated on 11/15/00. A total of four Green River intervals were perforated and hydraulically fractured. Bridge plugs and sand plugs were removed from wellbore. Zones were swab tested to clean up sand. Production equipment was ran in well. WO sfc equipment repair before starting well producing.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Gary Dietz</u>	TITLE <u>Completion Foreman</u>	DATE <u>11/27/00</u>
Gary Dietz		

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)  OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-44305</b>  6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A  7. UNIT AGREEMENT NAME  NA	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>Odekirk Spring 9-36-8-17</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. <b>9-36-8-17</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1938' FSL &amp; 639' FEL NE/SE</b>		10 FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>  11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Section 36, T8S, R17E</b>	
14 API NUMBER <b>43-047-33197</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5000.4'</b>	12 COUNTY OR PARISH <b>Uintah</b>	13 STATE <b>UT</b>

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

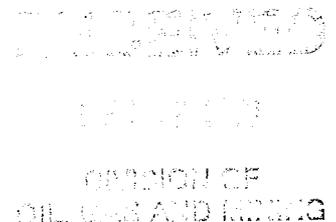
Status report for time period 11/27/00 through 12/3/00.  
Well still waiting on surface equipment repairs before production begins.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Gary Dietz</u>	TITLE <u>Completion Foreman</u>	DATE <u>12/4/00</u>
Gary Dietz		

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side



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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-44305</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME  NA	
<b>3. ADDRESS OF OPERATOR</b> Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		8. FARM OR LEASE NAME Odekirk Spring 9-36-8-17	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1938' FSL & 639' FEL NE/SE		9. 9-36-8-17	
<b>14. API NUMBER</b> 43-047-33197		10. FIELD AND POOL, OR WILDCAT  Monument Butte	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5000.4'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 36, T8S, R17E	
<b>12. COUNTY OR PARISH</b> Uintah		13. STATE UT	

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

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

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

Status report for time period 12/4/00 through 12/10/00.  
Upon repair of surface equipment, well began producing on pump on 12/6/00.

**RECEIVED**  
DEC 12 2000  
DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Gary Dietz</u>	TITLE <u>Completion Foreman</u>	DATE <u>12/11/00</u>
Gary Dietz		

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:



December 18, 2000

Mr. Brad Hill

Please find the enclosed Cement Bond Logs for the following Wells:

**ODEKIRK SPRING----7-36-8-17**

**ODEKIRK SPRING----9-36-8-17**

**ODEKIRK SPRING---11-36-8-17**

**ODEKIRK SPRING---16-36-8-17**

*Log filed with log files T085 R19E Sec 36*

We have not received the Logs on the Odekirk Spring 13-36-8-17 and the Castle Peak Unit as of yet when we receive them I will forward them on to you.

Thank you,

Cyndee Miller  
Operations Secretary

**RECEIVED**

DEC 19 2000

DIVISION OF  
OIL, GAS AND MINING

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-44305

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME

NA

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.

ODEKIRK SPRING 9-36-8-17

2. NAME OF OPERATOR

INLAND RESOURCES INC.

9. API WELL NO.

43-047-33197

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

NE SE 1938' FSL 639' FEL

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

SECTION 36 T8S - R17E

At top prod. Interval reported below

At total depth

14. PERMIT NO. **43-047-33197** DATE ISSUED **12/01/98**

12. COUNTY OR PARISH

UINTAH

13. STATE

UT

15. DATE SPUDDED

10/05/00

16. DATE T.D. REACHED

10/17/00

17. DATE COMPL. (Ready to prod.)

11/22/00

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

5010' KB

19. ELEV. CASINGHEAD

5000.4

20. TOTAL DEPTH, MD & TVD

5920

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

5872

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

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGI/SPGR TD TO SURFACE CSG 10-36-00 CDL/CNL/GRICAL TD TO 3000' 10-36-00

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#	302.34	12-1/4	1555' Class "G" w/2% CaCL 2/Premite II w/10% Gel	
5-1/2	15.5#	5920	7-7/8	150' 50/50 Poz w/3% Gel & 3% KCL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	EOT @	TA @
						5722.37	5819.75

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(LDC SD) 5431-45', 5462-66'	0.38	72	5431-45, 5462-66'	w/74,361# 20/40 sd 555 bbls fluid
(A3 SD) 5365-75'	0.38	40	5362-75'	
(D2 SD) 4927-41'	0.38	56	4927-41'	w/136,269# 20/40 sd in 387 bbls fluid
(C SDS) 5036-40	0.38	16	5036-40'	
(B1 SDS) 5138-41', 5164-71'	0.38	40	5138-41', 5164-71'	w/31,587# 20/40 sd in 299 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' RHAC Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			-->	80.3	33.1	12.9	412
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		-->				RECEIVED	

(D2 SD) 4927-41'

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Logs in Item #26

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

SIGNED \_\_\_\_\_ TITLE **Manager, Development Operations** DATE **12/22/00**

DIVISION OF  
OIL, GAS AND MINING



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas well     Other

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

3. Address and Telephone No.  
**410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NE/SE      1938' fsl, 639' fel      Sec. 36, T8S, R17E**

5. Lease Designation and Serial No.  
**ML-44305**

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

7. If unit or CA, Agreement Designation  
**Odekirk Spring Unit**

8. Well Name and No.  
**Odekirk Spring State 9-36**

9. API Well No.  
**43-013-33197**

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

11. County or Parish, State  
**Uintah County, UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<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 checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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)

Please see attached injection application.

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

Signed Joyce L. McGough Title Regulatory Specialist Date 5/05/01

**Joyce L. McGough**

(This space of 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 to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



May 5, 2001

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

Re: Permit Application for Water Injection Well  
Odekirk Spring State #9-36-8-17  
Monument Butte Field, Odekirk Spring Unit, Lease #ML-44305  
Section 36-Township 8S-Range 17E  
Uintah County, Utah

*UIC-275.3*

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Odekirk Spring State #9-36-8-17 from a producing oil well to a water injection well in the Odekirk Spring Field.

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

Sincerely,

Joyce McGough  
Regulatory Specialist

Enclosure

RECEIVED

MAY 7 2001

DIVISION OF  
OIL, GAS AND MINING

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**

**ODEKIRK SPRING STATE #9-36-8-17**

**MONUMENT BUTTE (GREEN RIVER) FIELD**

**LEASE #ML-44305**

**ODEKIRK SPRING UNIT**

**MAY 5, 2001**

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company  
ADDRESS 410 17th Street, Suite 700  
Denver, Colorado 80202

Well Name and number: Odekirk Spring Fed #9-36-8-17  
Field or Unit name: Monument Butte (Green River) Odekirk Spring Unit Lease No. ML-44305  
Well Location: QQ NE/SE section 36 township 8S range 17E county Duchesne  
*WINTAK*

Is this application for expansion of an existing project? ..... Yes  No   
Will the proposed well be used for: Enhanced Recovery? ..... Yes  No   
Disposal? ..... Yes  No   
Storage? ..... Yes  No   
Is this application for a new well to be drilled? ..... Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-047-33197

Proposed injection interval: from 4927' to 5466'  
Proposed maximum injection: rate 500 bpd pressure 1285 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

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

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

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

Name: W. T. War Signature *W. T. War*  
Title Vice President Date 5-05-01  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

## 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, move out.

# Odekirk Spring #9-36-8-17

Spud Date: 10/05/00  
 Put on Production: 12/06/00  
 GL: 5000' KB: 5010'

Initial Production: 80 BOPD,  
 33 MCFPD, 13 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 302.34' (KB)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class G cmt plus additives

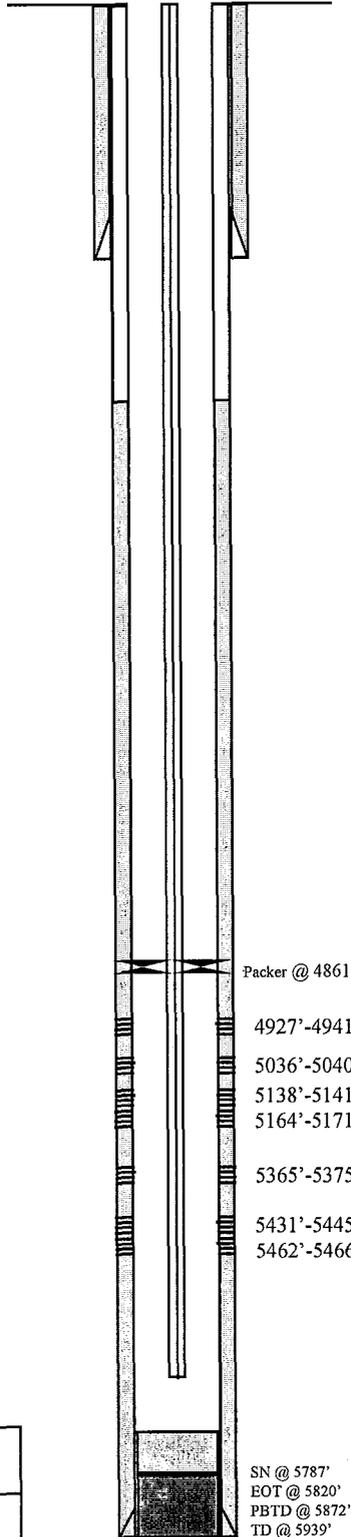
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts.  
 DEPTH LANDED: 5920' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premium lite II & 550 sx 50/50 Poz  
 CEMENT TOP AT: ?'

## TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55 tbg.  
 NO. OF JOINTS: 177 jts.  
 TUBING ANCHOR: 5722.37' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5819.75' KB  
 SN LANDED AT: 5786.89' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

11/16/00 5365'-5466' Frac A/LDC sds w/74,361# 20/40 sand in 555 bbls Viking I-25 fluid. Perfs broke @ 2765 psi @ 15 BPM. Avg press of 1800 spi w/avg rate of 31.6 BPM. ISIP 2000#. Start immed. Flowback on 12/64" choke - flowed 3 hrs & died. Rec 155 BTF. SIFN.

11/17/00 4927'-5040' Frac D/C sds w/36,269# of 20/40 sand in 387 bbls Viking I-25 fluid. Perfs broke @ 4400 psi. Treated @ avg press of 1600 psi w/avg rate of 29 BPM. ISIP 1900 psi. Flowback immed on 12/64" choke @ 1 BPM. Flowed 170 BTF. SIFN.

11/17/00 5138'-5171' Frac B1 sds w/31,587# 20/40 sand in 299 bbls Viking I-25 fluid. Treated at avg press of 1400 psi, w/avg rate of 29.2 BPM. ISIP 1300 psi, 5 min. 1070 psi. Left pressure on well.

## PERFORATION RECORD

Date	Interval	Perforations	Holes
11/16/00	5431'-5445'	4 JSPF	56 holes
11/16/00	5462'-5466'	4 JSPF	16 holes
11/16/00	5365'-5375'	4 JSPF	40 holes
11/17/00	4927'-4941'	4 JSPF	56 holes
11/17/00	5036'-5040'	4 JSPF	16 holes
11/17/00	5138'-5141'	4 JSPF	9 holes
11/17/00	5164'-5171'	4 JSPF	28 holes

Packer @ 4861'

4927'-4941'

5036'-5040'

5138'-5141'

5164'-5171'

5365'-5375'

5431'-5445'

5462'-5466'

SN @ 5787'  
 EOT @ 5820'  
 PBTD @ 5872'  
 TD @ 5939'



**Inland Resources Inc.**

**Odekirk Spring #9-36-8-17**

1938 FSL 639 FEL

NESE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33197; Lease #ML-44305

**ATTACHMENT A**  
**AREA OF REVIEW METHODS**

**Give the methods and, if appropriate, the calculations used to determine the size of the area of review (fixed radius or equation). The area of review shall be a fixed radius of 1/4 mile from the well bore unless the use of an equation is approved in advance by the Director.**

The area of review shall be a fixed radius of ½ mile from the Odekirk Spring State #9-36-8-17. Inland Production Company has chosen to use a fixed radius of ½ mile to satisfy the requirements of both the EPA and the State of Utah.

Attachment A-1 One-half Mile Radius Map

Attachment A-2 Listing of Surface Owners

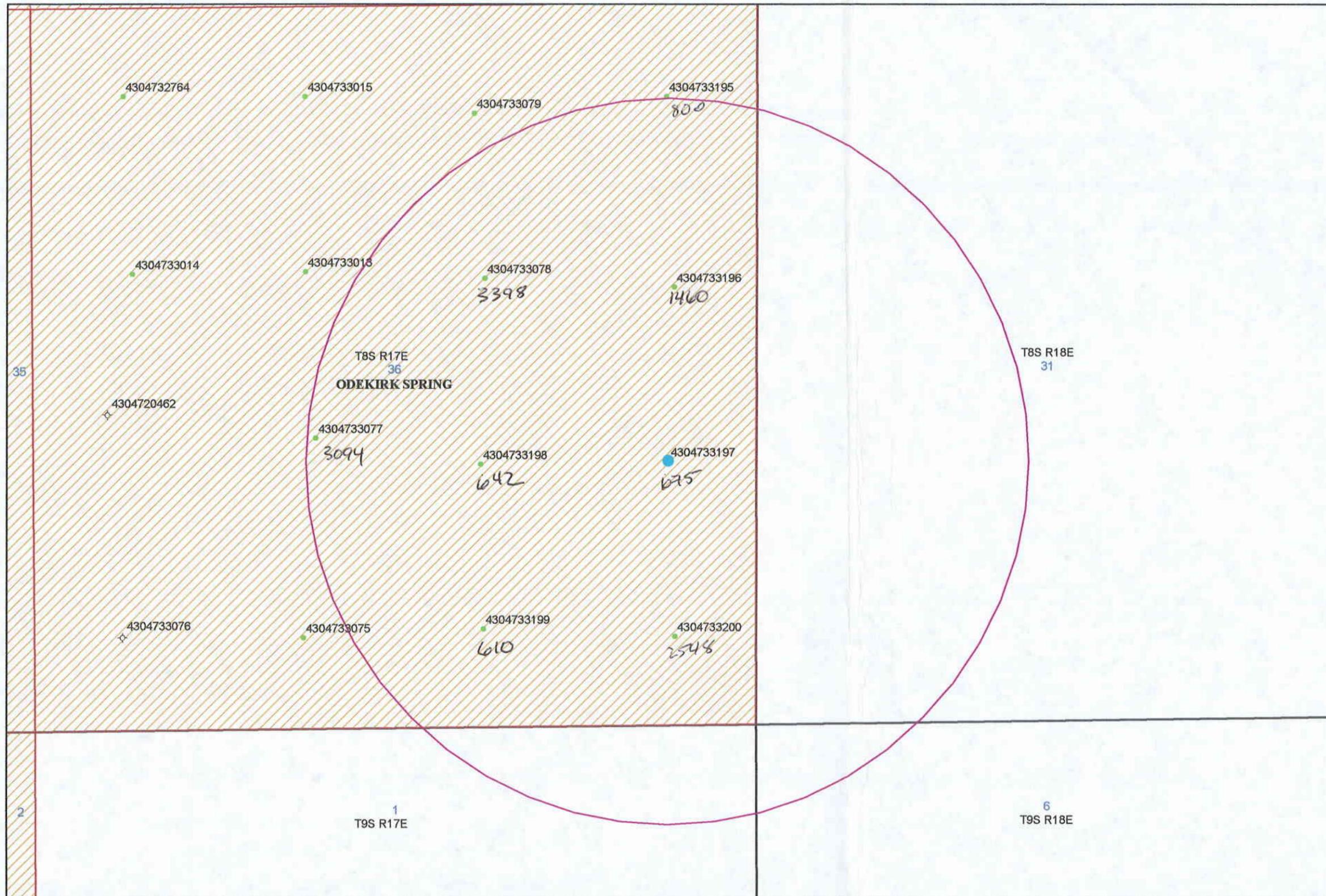
Attachment A-3 Certification for Surface Owner Notification

Attachment A-4 Well Location Plat

Attachment A-5 Name(s) and Address(s) of Surface Owners

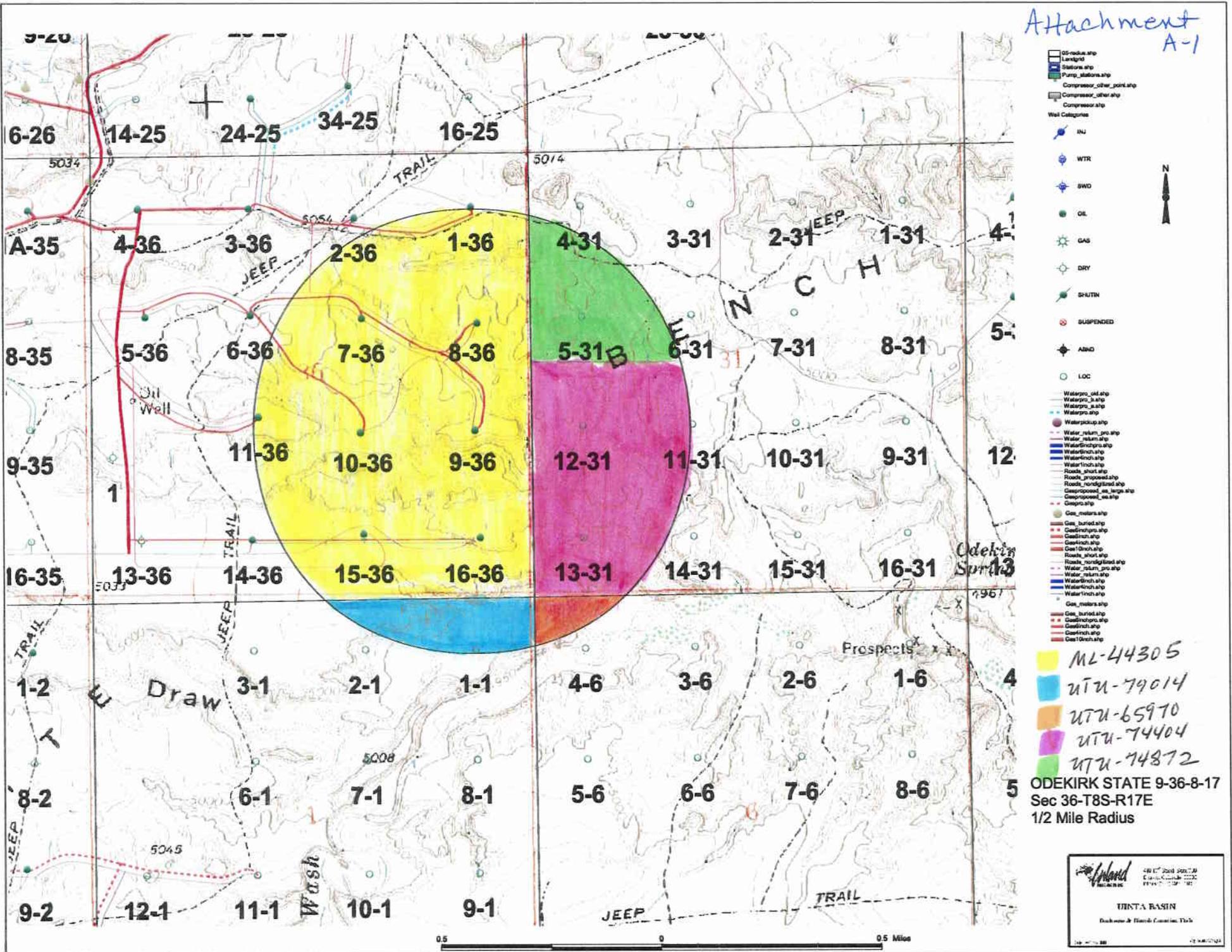
# Odekirk Spring State 9-36-8-17

## Legend



-  Secondary Recovery Units
  -  Townships
  -  Sections
  -  <all other values>
- WELL\_TYPE**
-  LA
  -  LOC
  -  PA
  -  PGW
  -  POW
  -  SGW
  -  SOW
  -  TA
  -  TW
  -  WDW
  -  WIW
  -  WSW
  -  wellsbuff

Attachment A-1



ML-44305  
 UTH-79014  
 UTH-65970  
 UTH-74404  
 UTH-74872

ODEKIRK STATE 9-36-8-17  
 Sec 36-T8S-R17E  
 1/2 Mile Radius



Attachment A-2  
Page 1 of 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 8 South, Range 18 East</u> Section 31: Lots 3, 4, E/2SW/4, N/2SE/4, SW/4SE/4	UTU-74404 HBP	Inland Production Company Yates Petroleum Corporation Yates Drilling Company Abo Petroleum Corporation Myco Industries, Inc.	(Surface Rights) USA
2	<u>Township 8 South, Range 17 East</u> Section 36: All	ML-44305 HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Yates Drilling Company Myco Industries	(Surface Rights) STATE
3	<u>Township 9 South, Range 17 East</u> Section 1: Lots 1-3, S/2NE/4, SE/4NW/4 N/2S/2 Section 4: SE/4SE/4 Section 25: NE/4SW/4	UTU-79014 HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Yates Drilling Company Myco Industries, Inc.	(Surface Rights) USA

Attachment A-2  
Page 2 of 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	<u>Township 8 South, Range 18 East</u> Section 26: SW/4SW/4 Section 31: Lots 1, 2, NE/4, E/2NW/4 Section 32: N/2	UTU-74872 HBP	Inland Production Company	(Surface Rights) USA
5	<u>Township 9 South, Range 17 East</u> Section 5: Lots 1-4, S/2N/2, N/2S/2 Section 6: Lots 1-6, S/2NE/4, SE/4NW/4, NE/4SW/4, N/2SE/4 Section 13: NE/4NE/4 Section 17: NE/4SW/4	UTU-65970 HBP	Inland Production Company Yates Petroleum Corporation Yates Drilling Company Abo Petroleum Corporation Myco Industries, Inc.	(Surface Rights) USA

ATTACHMENT A-3

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

Re: Application for Approval of Class II Injection Well  
Odekirk Spring State #9-36-8-17

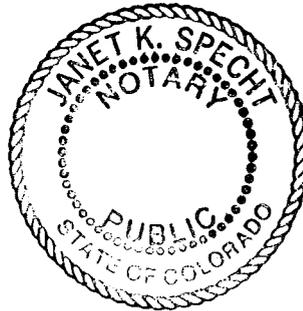
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: W. T. War  
Inland Production Company  
W. T. War  
Vice President

Sworn to and subscribed before me this 7<sup>th</sup> day of May, 2001.

Notary Public in and for the State of Colorado: Janet K. Specht

My commission expires: 7-16-01

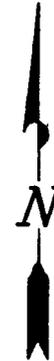


T8S, R17E, S.L.B.&M.

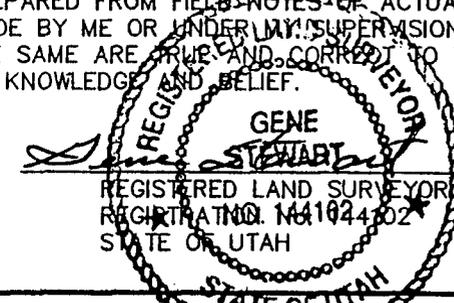
**INLAND PRODUCTION COMPANY**

WELL LOCATION, ODEKIRK SPRING  
#9-36-8-17, LOCATED AS SHOWN IN THE  
NE 1/4 SE 1/4 OF SECTION 36, T8S. R17E,  
S.L.B.&M. UTAH COUNTY, UTAH.

Attachment A-4

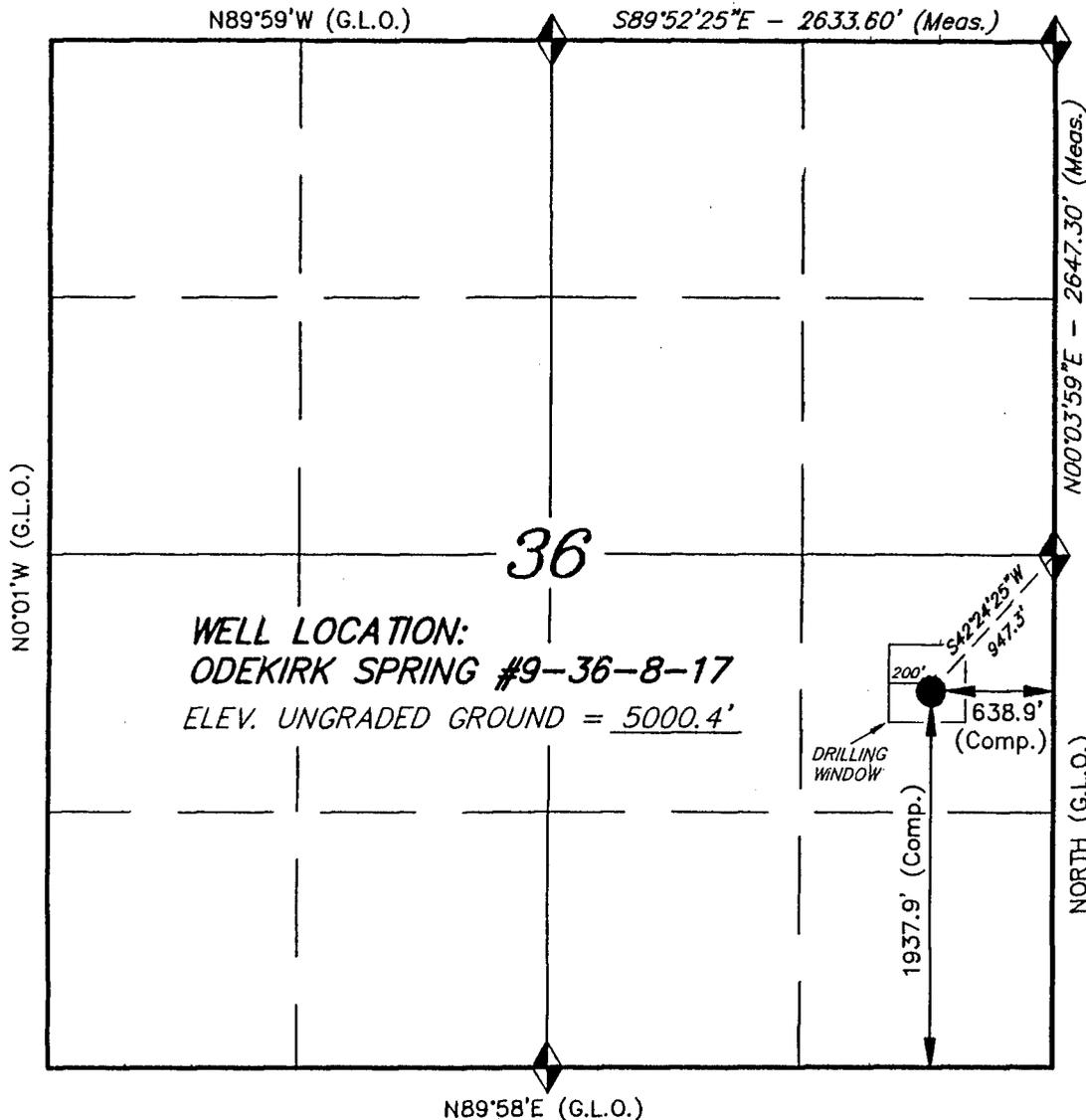


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**  
38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 9-19-98	WEATHER: WARM
REVISIONS:	FILE #



BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

◆ = SECTION CORNERS LOCATED

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

**ATTACHMENT A-5**

**Names and Addresses of Surface Owners**

1. USA

**ATTACHMENT B**

**MAPS OF WELLS/AREA AND AREA OF REVIEW**

**Submit a topographic map, extending one mile beyond the property boundaries, showing the injection well(s) or project area for which a permit is sought and the applicable area of review.**

There are no hazardous waste, treatment, storage or disposal facilities within a one-mile radius of the property boundaries.

Attachment B-1 Area of Review and Existing/Proposed Waterlines



**ATTACHMENT C**

**CORRECTIVE ACTION PLAN AND WELL DATA**

**Submit a tabulation of data reasonably available from public records or otherwise known to the applicant on all wells within the area of review, including those on the map required in Attachment B, which penetrate the proposed injection zone.**

Step rate tests will be performed periodically to determine the fracture pressure. The injection pressure will be kept under the fracture pressure.

Attachment C-1	Wellbore Diagram – Odekirk Spring State #9-36-8-17
Attachment C-2	Wellbore Diagram – Odekirk Spring State #1-36-8-17
Attachment C-3	Wellbore Diagram – Odekirk Spring State #7-36-8-17
Attachment C-4	Wellbore Diagram – Odekirk Spring State #8-36-8-17
Attachment C-5	Wellbore Diagram – Odekirk Spring State #10-36-8-17
Attachment C-6	Wellbore Diagram – Odekirk Spring State #11-36-8-17
Attachment C-7	Wellbore Diagram – Odekirk Spring State #15-36-8-17
Attachment C-8	Wellbore Diagram – Odekirk Spring State #16-36-8-17

# Odekirk Spring #9-36-8-17

Spud Date: 10/05/00  
 Put on Production: 12/06/00  
 GL: 5000' KB: 5010'

Initial Production: 80 BOPD,  
 33 MCFPD, 13 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 302.34' (KB)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class G cmt plus additives

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts.  
 DEPTH LANDED: 5920' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premium lite II & 550 sx 50/50 Poz  
 CEMENT TOP AT: ?'

**TUBING**

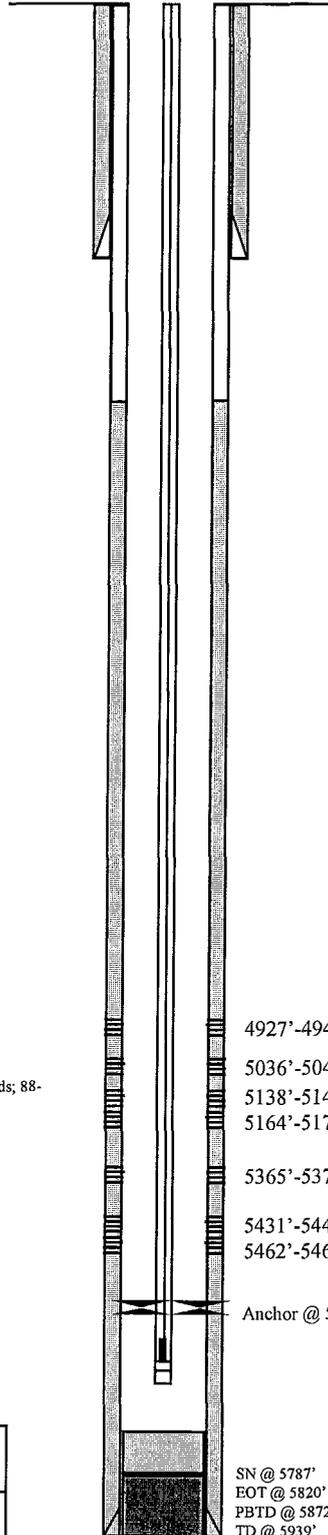
SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55 tbg.  
 NO. OF JOINTS: 177 jts.  
 TUBING ANCHOR: 5722.37' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5819.75' KB  
 SN LANDED AT: 5786.89' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-1-1/2" wt rods; 10-3/4" guided; 127-3/4" slick rods; 88-3/4" guided; 1-4', 1-6', and 1-8'x3/4" pony rods  
 PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL  
 CN/CD/GR

**FRAC JOB**

- 11/16/00 5365'-5466' Frac A/LDC sds w/74,361# 20/40 sand in 555 bbls Viking I-25 fluid. Perfs broke @ 2765 psi @ 15 BPM. Avg press of 1800 spi w/avg rate of 31.6 BPM. ISIP 2000#. Start immed. flowback on 12/64" choke - flowed 3 hrs & died. Rec 155 BTF. SIFN.
- 11/17/00 4927'-5040' Frac D/C sds w/36,269# of 20/40 sand in 387 bbls Viking I-25 fluid. Perfs broke @ 4400 psi. Treated @ avg press of 1600 psi w/avg rate of 29 BPM. ISIP 1900 psi. Flowback immed on 12/64" choke @ 1 BPM. Flowed 170 BTF. SIFN.
- 11/17/00 5138'-5171' Frac B1 sds w/31,587# 20/40 sand in 299 bbls Viking I-25 fluid. Treated at avg press of 1400 psi, w/avg rate of 29.2 BPM. ISIP 1300 psi, 5 min. 1070 psi. Left pressure on well.



**PERFORATION RECORD**

Date	Depth Range	Number of Holes
11/16/00	5431'-5445'	4 JSPF 56 holes
11/16/00	5462'-5466'	4 JSPF 16 holes
11/16/00	5365'-5375'	4 JSPF 40 holes
11/17/00	4927'-4941'	4 JSPF 56 holes
11/17/00	5036'-5040'	4 JSPF 16 holes
11/17/00	5138'-5141'	4 JPSF 9 holes
11/17/00	5164'-5171'	4 JSPF 28 holes

SN @ 5787'  
 EOT @ 5820'  
 PBTD @ 5872'  
 TD @ 5939'



**Inland Resources Inc.**

**Odekirk Spring #9-36-8-17**

1938 FSL 639 FEL

NESE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33197; Lease #ML-44305

# Odekirk Spring #1-36-8-17

Spud Date: 07-14-00  
 Put on Prod: 08-19-00  
 GL: 5030' KB: 5040'

Initial Production: 127 BOPD,  
 39 MCFPD, 2 BWPD

Proposed Injection Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293.54')  
 DEPTH LANDED: 305' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 161 sxs Class "G" /2% CaCl2

**PRODUCTION CASING**

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 11.6#  
 LENGTH: 145 jts. (6144.95')  
 DEPTH LANDED: 6156'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Premlite and 550 sxs 50/50 Pozmix.

**TUBING**

SIZE/GRADE/WT.: 2-3/8", J-55  
 NO. OF JOINTS: 182 jts  
 PACKER: 5200' KB  
 TOTAL STRING LENGTH: 5911.53'; EOT @ 5922'

**FRAC JOB**

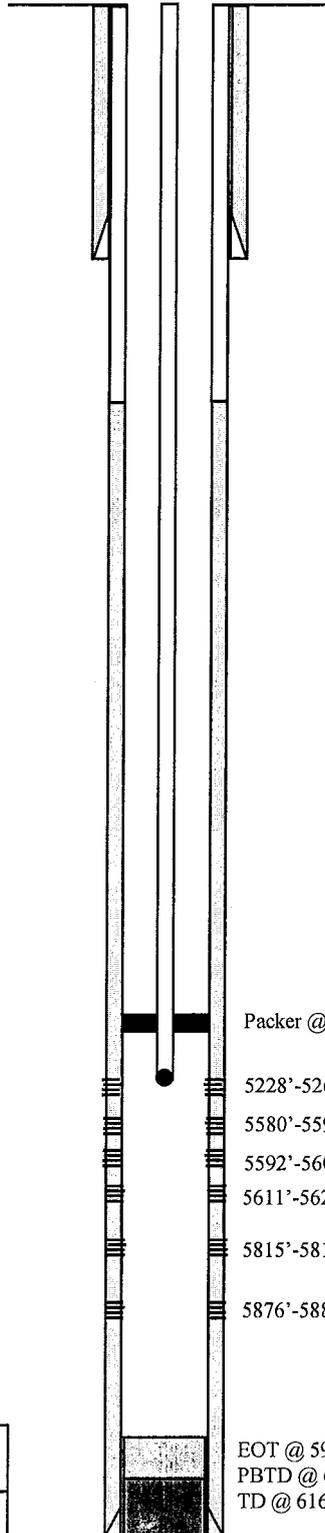
08-11-00 5815-887' Frac CP sds w/78,560# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs broke @ 3950 psi. Avg press 3400 psi w/avg. rate 30 BPM. ISIP 2900 psi; 5 min 2300 psi. Flow back 12/64" choke 3 hrs & died.

08-12-00 5580-622' Frac LDC sands w/100,781# 20/40 sand in 558 bbls Viking I-25 fluid. Perfs broke @ 2177 psi. ISIP 2408 psi; 5 min 2295 psi. Avg rate 34.7 BPM. Flow back 12/64" choke for 4 hrs & died.

08-15-00 5228-260' Frac B sands w/94,994# 20/40 sand in 575 bbls Viking I25 fluid. Perfs broke down @ 1750 psi. Avg. press 1420 psi; avg rate of 31.5 BPM. ISIP 1160 psi; 5 min 1120 psi. Flowback on 12/64" choke for 1 hr & died.

**PERFORATION RECORD**

08-10-00	5815'-816'	4 SPF	4 shots
08-10-00	5876'-887'	4 SPF	36 shots
08-12-00	5580'-590'	4 SPF	40 shots
08-12-00	5592'-603'	4 SPF	33 shots
08-12-00	5611'-622'	4 SPF	44 shots
08-15-00	5228'-260'	4 SPF	128 shots



Packer @ 5197' KB

5228'-5260'  
 5580'-5590'  
 5592'-5603'  
 5611'-5622'  
 5815'-5816'  
 5876'-5887'

EOT @ 5922'  
 PBTB @ 6124'  
 TD @ 6169'



**Inland Resources Inc.**

**Odekirk Spring #1-36-8-17**

660' FNL and 660' FEL

NENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33195; Lease #ML-44305

# Odekirk Spring #7-36-8-17

Spud Date: 6-15-98  
 Put on Production: 7-23-98  
 GL: 4999.8' KB: 10'

Initial Production: 97 BOPD,  
 46 MCFPD, 8 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (314')  
 DEPTH LANDED: 324'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Class G cmt, est 3 bbls cmt to surf.

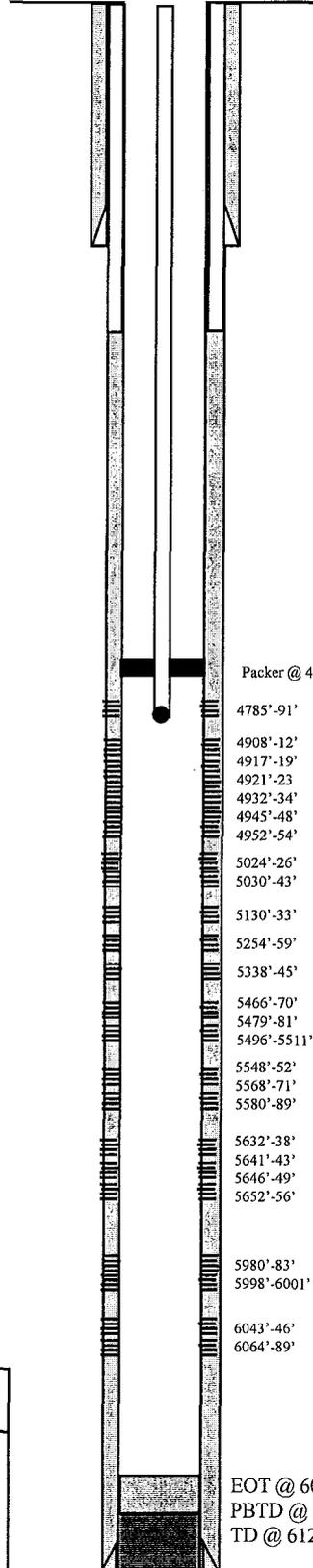
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6109')  
 DEPTH LANDED: 6118'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 235 sx Premium & 335 sx Class G  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
 NO. OF JOINTS: 191 jts.  
 PACKER: 4750'  
 TOTAL STRING LENGTH: EOT @ 6027'

Proposed Injection Wellbore Diagram



**FRAC JOB**

**7-9-98 5980'-6089'** Frac Lo CP sands as follows:  
 134,012# 20/40 sand in 659 bbls Viking frac fluid. Perfs brokedown @ 2745 psi. Treated @ avg press of 1880 psi w/avg rate of 33.6 bpm. ISIP: 2160 psi, 5-min 2046 psi. Flowback on 12/64" choke for 4 hours and died.

**7-11-98 5466'-5656'** Frac LDC sand as follows:  
 162,370# of 20/40 sand in 755 bbls Viking Frac fluid. Perfs brokedown @ 2870 psi. Treated @ avg press of 1600 psi w/avg rate of 40.8 bpm. ISIP-1660 psi, 5-min 1541 psi. Flowback on 12/64" choke for 6 hours and died.

**7-14-98 5254'-5345'** Frac A sand as follows:  
 117,436# 20/40 sand in 577 bbls Viking. Perfs broke @ 2308 psi. Treated w/avg press of 1700 psi w/avg rate of 30.1 BPM. ISIP-2300 psi, 5 min 2025 psi. Flowback on 12/64" ck for 4 hrs & died.

**7-16-98 5024'-5133'** Frac C/B sand as follows:  
 97,340# 20/40 sand in 502 bbls Viking. Perfs broke @ 3688 psi. Treated w/avg press of 1600 psi w/avg rate of 28 BPM. ISIP-2150 psi, 5 min 2029 psi. Flowback on 12/64" ck for 3 hrs & died.

**7-18-98 4785'-4954'** Frac D/YDC sands as follows:  
 121,613# 20/40 sand in 628 bbls Viking. Perfs broke @ 2532 psi. Treated w/avg press of 1700 psi w/avg rate of 36 BPM. ISIP-1950 psi, 5 min 1838. Flowback on 12/64" ck for 4 hrs & died.

Packer @ 4750'

- 4785'-91'
- 4908'-12'
- 4917'-19'
- 4921'-23
- 4932'-34'
- 4945'-48'
- 4952'-54'
- 5024'-26'
- 5030'-43'
- 5130'-33'
- 5254'-59'
- 5338'-45'
- 5466'-70'
- 5479'-81'
- 5496'-5511'
- 5548'-52'
- 5568'-71'
- 5580'-89'
- 5632'-38'
- 5641'-43'
- 5646'-49'
- 5652'-56'

**PERFORATION RECORD**

Date	Interval	Perforation Type	Holes
7-9-98	5980'-5983'	4 JSPF	12 holes
7-9-98	5998'-6001'	4 JSPF	12 holes
7-9-98	6043'-6046'	4 JSPF	12 holes
7-9-98	6064'-6089'	4 JSPF	100 holes
7-10-98	5466'-5470'	2 JSPF	8 holes
7-10-98	5479'-5481'	2 JSPF	4 holes
7-10-98	5496'-5511'	2 JSPF	30 holes
7-10-98	5548'-5552'	2 JSPF	8 holes
7-10-98	5568'-5571'	2 JSPF	6 holes
7-10-98	5580'-5589'	2 JSPF	38 holes
7-10-98	5632'-5638'	2 JSPF	12 holes
7-10-98	5641'-5643'	2 JSPF	4 holes
7-10-98	5646'-5649'	2 JSPF	6 holes
7-10-98	5652'-5656'	2 JSPF	8 holes
7-12-98	5254'-5259'	4 JSPF	20 holes
7-12-98	5338'-5345'	4 JSPF	28 holes
7-15-98	5024'-5026'	4 JSPF	8 holes
7-15-98	5030'-5043'	4 JSPF	52 holes
7-15-98	5130'-5133'	4 JSPF	12 holes
7-17-98	4785'-4791'	4 JSPF	24 holes
7-17-98	4908'-4912'	4 JSPF	16 holes
7-17-98	4917'-4919'	4 JSPF	8 holes
7-17-98	4921'-4923'	4 JSPF	8 holes
7-17-98	4932'-4934'	4 JSPF	8 holes
7-17-98	4945'-4948'	4 JSPF	12 holes
7-17-98	4952'-4954'	4 JSPF	8 holes

EOT @ 6027'  
 PBTD @ 6109'  
 TD @ 6120'



**Inland Resources Inc.**

**Odekirk Spring #7-36-8-17**

1980 FNL 1980 FEL  
 SWNE Section 36-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-33078; Lease #ML-44305

# Odekirk Spring #8-36-8-17

Spud Date: 7-30-00  
 Put on Production: 9-12-00  
 GL: 4990' KB: 5000'

Initial Production: 202 BOPD,  
 51 MCFPD, 24 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (291.35')  
 DEPTH LANDED: 303' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class G cmt, w/2% CaCl2

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5885.31')  
 DEPTH LANDED: 5897'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 425 sx PremLite & 400 sx 50/50 Pozmix.  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8", J-55, 6.5# tubing  
 NO. OF JOINTS: 179 jts.  
 TUBING ANCHOR: 5725' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: 5784.4' GL  
 SN LANDED AT: 5793' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4 1-1/2" wt rods, 10 3/4" scraped, 113 3/4" plain rods, 103 3/4" scraped, 2-8", 1-6' and 1-2"x3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC pump  
 STROKE LENGTH: 52"  
 PUMP SPEED, SPM: 7.5 SPM  
 LOGS: DIGL/SP/GR/CAL TD (5913') to surface casing  
 CDL/CNL/GR TD (5913')-3000'

**FRAC JOB**

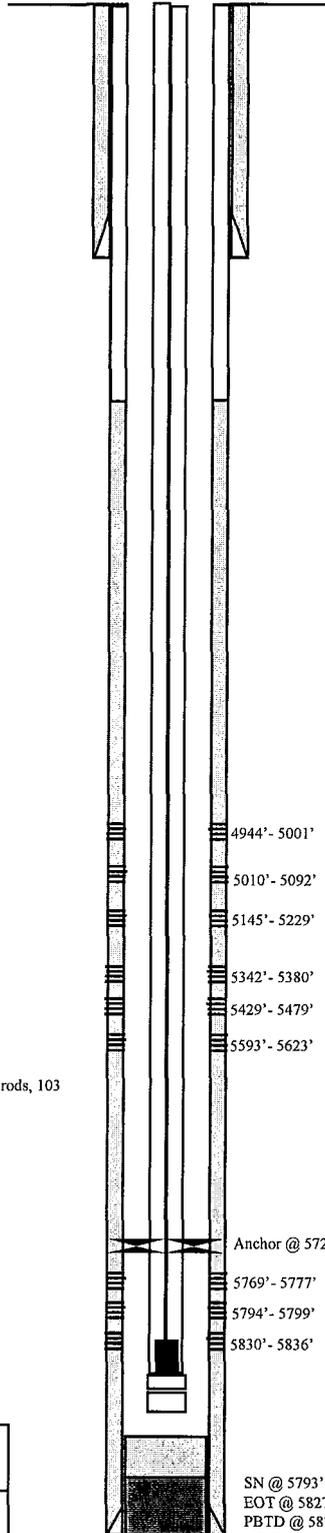
8-31-00 5769'-836' Frac CP sands w/93,500# 20/40 sand in 525 bbls Viking I-25 fluid. Perfs broke down @ 4420 psi. Treated @ avg press of 1868 psi w/avg rate of 31.8 bpm. ISIP 2000 psi, 5-min 1950 psi. Left pressure on well.

8-31-00 5593'-623' Frac D/C sand w/85,500# of 20/40 sand in 515 bbls Viking I-25 fluid. Perfs broke down @ 3271 psi. Treated @ avg press of 1900 psi w/avg rate of 30.6 bpm. ISIP-2210 psi, 5-min 2044 psi. Flowback on 12/64: choke for 4 hours and died.

9-01-00 5342'-479' Frac LODC2/A3 sds w/103,611# 20/40 sand in 621 bbls Viking I-25 fluid. Perfs broke down @ 2560 psi. Treated @ avg press of 2000 psi w/avg rate of 32 BPM. ISIP 2310 psi; 5 min. 2242 psi. Left pressure on well.

9-05-00 5145'-229' Frac B-1 sands w/101,500# 20/40 sand in 625 bbls Viking I-25 fluid. Perfs broke @ 815 psi. Treated @ avg press of 1000 psi w/avg rate of 31.5 BPM. ISIP 1520 psi; 5 min 1420 psi. Flow back on 12/64 choke for 2-1/2 hrs; died.

9-07-00 4944'-5092' Frac D/C sands w/95,080# 20/40 sand in 574 bbls Viking I-25 fluid. Perfs broke @ 2540 psi. Treated w/avg press 1700 psi w/avg rate of 30 BPM. ISIP 1900 psi; 5 min 1840 psi. Flowback on 12/64 choke for 2-1/2 hrs; died.



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
8-31-00	5769'-5777'	4 JSPF	32 holes
8-31-00	5794'-5799'	4 JSPF	20 holes
8-31-00	5830'-5836'	4 JSPF	24 holes
8-31-00	5593'-5612'	4 JSPF	76 holes
8-31-00	5615'-5623'	4 JSPF	32 holes
9-01-00	5342'-5344'	4 JSPF	8 holes
9-01-00	5378'-5380'	4 JSPF	8 holes
9-01-00	5429'-5431'	4 JSPF	8 holes
9-01-00	5438'-5440'	4 JSPF	8 holes
9-01-00	5442'-5444'	4 JSPF	8 holes
9-01-00	5450'-5452'	4 JSPF	8 holes
9-01-00	5470'-5479'	4 JSPF	36 holes
9-05-00	5145'-5152'	4 JSPF	28 holes
9-05-00	5164'-5176'	4 JSPF	48 holes
9-05-00	5224'-5229'	4 JSPF	20 holes
9-06-00	4944'-4948'	4 JSPF	16 holes
9-06-00	4999'-5001'	4 JSPF	8 holes
9-06-00	5010'-5012'	4 JSPF	8 holes
9-06-00	5017'-5019'	4 JSPF	8 holes
9-06-00	5046'-5050'	4 JSPF	16 holes
9-06-00	5053'-5055'	4 JSPF	8 holes
9-06-00	5089'-5092'	4 JSPF	12 holes

SN @ 5793' KB  
 EOT @ 5827' KB  
 PBTD @ 5878' KB  
 TD @ 5913' KB



**Inland Resources Inc.**

**Odekirk Spring #8-36-8-17**

2044' FNL, 598' FEL

SENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33196; Lease #ML-44305

# Odekirk Spring #10-36-8-17

Spud Date: 7/5/00  
 Put on Production: 8/09/00  
 GL: 4966' KB: 4976'

Initial Production: 71 BOPD,  
 106 MCFPD, 13 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (314.18')  
 DEPTH LANDED: 304.18'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class G cmt,

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (6021.57')  
 DEPTH LANDED: 6017.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 265 sx Premium lite II & 480 sx 50/50 Poz  
 CEMENT TOP AT: 605' per Cement Bond Log

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55 tbg.  
 NO. OF JOINTS: 175 jts.  
 TUBING ANCHOR: 5364.71' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5495.02' KB  
 SN LANDED AT: 5430.64' KB

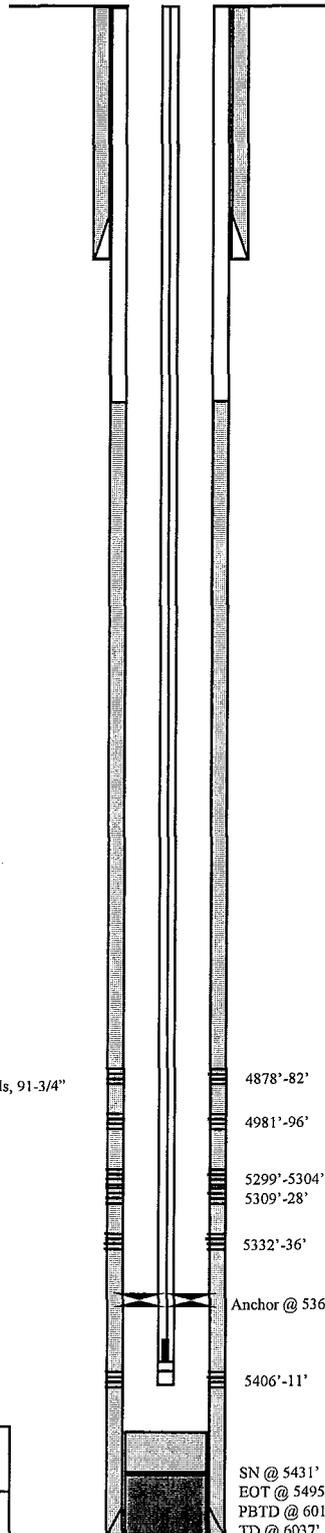
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-11/2" wt rods, 10-3/4" guided, 112-3/4" slick rods, 91-3/4" guided, 1-6", 1-8"x3/4" pony  
 PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL  
 CN/CD/GR

**FRAC JOB**

8/2/00 5299'-5411' Frac A/LDC sands as follows:  
 112,219# 20/40 sd in 610 bbls Viking I-25 fluid. Hole filled w/ 82 bbls. Perfs broke back @ 2713 psi @ 13 BPM. Treated @ avg press of 1900 psi w/ avg rate of 32 BPM. ISIP - 1820 psi, 5 min: 1690. RD BJ. Flwbk frac on 12/64" choke for 4-1/2 hours & died. Rec 179 BTF (est 29% of frac load). SIFN w/ est 477 BWTR

8/4/00 4878'-4996' Frac D/C sand as follows:  
 74,380# 20/40 sand in 461 bbls Viking I-25 fluid. Perfs broke back @ 3700' @ 10 BPM. Treated @ avg press of 1800 psi w/ avg rate of 32 BPM. ISIP: 1935 psi, 5 min: 1820 psi. RD BJ. Flowback frac on 12/64" choke for 2-1/2 hours & died. Rec 71 BTF (est 15% of frac load). SIFN w/ est 751 BWTR



**PERFORATION RECORD**

Date	Interval	Tool	Holes
8/2/00	5299'-5304'	4 JSPF	20 holes
8/2/00	5309'-5328'	4 JSPF	76 holes
8/2/00	5332'-5336'	4 JSPF	16 holes
8/2/00	5406'-5411'	4 JSPF	20 holes
8/2/00	5415'-5422'	4 JSPF	28 holes
8/3/00	4878'-4882'	4 JSPF	16 holes
8/3/00	4981'-4996'	4 JSPF	60 holes

4878'-82'  
 4981'-96'  
 5299'-5304'  
 5309'-28'  
 5332'-36'  
 Anchor @ 5365'  
 5406'-11'  
 SN @ 5431'  
 EOT @ 5495'  
 PBTD @ 6011'  
 TD @ 6037'



**Inland Resources Inc.**

**Odekirk Spring #10-36-8-17**

1919 FSL 2007 FEL  
 NWSE Section 36-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-33198; Lease #ML-44305

# Odekirk Spring #11-36-8-17

Spud Date: 6-23-98  
 Put on Production: 7-18-98  
 GL: 5015' KB: 5025'

Initial Production: 53 BOPD,  
 26 MCFPD, 3 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (292.91')  
 DEPTH LANDED: 302.66' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Class G cement, est 7 bbls cement to surf.

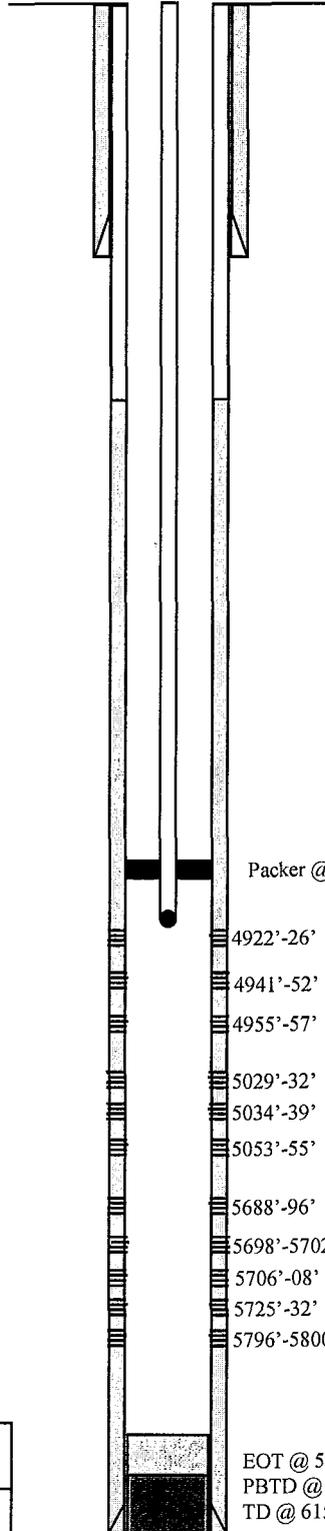
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (6136')  
 DEPTH LANDED: 6145'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sx Premium Lite Modified & 350 sx Class G  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 (tbg.)  
 NO. OF JOINTS: 183 jts.  
 PACKER: 4900'  
 TOTAL STRING LENGTH: EOT 5881'

Proposed Injection Wellbore Diagram



**FRAC JOB**

7-14-98 5688'-5800' Frac CP sands as follows:  
 134,220# 20/40 sand in 655 bbls Viking frac fluid. Perfs brokedown @ 2017 psi. Treated @ avg press of 1000 psi w/avg rate of 34.6 bpm. ISIP: 1600 psi, 5-min 1514 psi. Flowback on 12/64" choke for 4 hours and died.

7-16-98 4922'-5055' Frac D/C sand as follows:  
 137,300# of 20/40 sand in 629 bbls Viking Frac fluid. Perfs brokedown @ 3507 psi. Treated @ avg press of 1400 psi w/avg rate of 30 bpm. ISIP-1800 psi, 5-min 1734 psi. Flowback on 12/64" choke for 4 hours and died.

**PERFORATION RECORD**

Date	Depth Range	Perforation Type	Hole Count
7-11-98	5688'-5696'	4 JSPF	32 holes
7-11-98	5698'-5702'	4 JSPF	12 holes
7-11-98	5706'-5708'	4 JSPF	8 holes
7-11-98	5725'-5732'	4 JSPF	28 holes
7-11-98	5796'-5800'	4 JSPF	16 holes
7-15-98	4922'-4926'	4 JSPF	16 holes
7-15-98	4941'-4952'	4 JSPF	36 holes
7-15-98	4955'-4957'	4 JSPF	8 holes
7-15-98	5029'-5032'	4 JSPF	12 holes
7-15-98	5034'-5039'	4 JSPF	20 holes
7-15-98	5053'-5055'	4 JSPF	8 holes

**Inland Resources Inc.**

**Odekirk Spring #11-36-8-17**

2110 FSL 2067 FEL  
 NESW Section 36-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-33077; Lease #ML-44305

EOT @ 5881'  
 PBDT @ 6090'  
 TD @ 6150'

# Odekirk Spring #15-36-8-17

Spud Date: 07/22/00  
 Put on Prod: 08/29/00  
 GL: 5014' KB: 5024'

Initial Production: 116 BOPD,  
 31 MCFPD, 5 BWPD.

## Proposed Injection Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (309.45')  
 DEPTH LANDED: 305.45' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 SXS Class "G" with 2% CaCl2

### PRODUCTION CASING

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5856.88')  
 DEPTH LANDED: 5845'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 425 sxs PremLite 2 and 500 sx 50/50 Pozmix

### TUBING

SIZE/GRADE/WT.: 2-3/8", J-55, 4.7#  
 NO. OF JOINTS: 178 jts.  
 PACKER: 4950' KB  
 TOTAL STRING LENGTH: 5773'

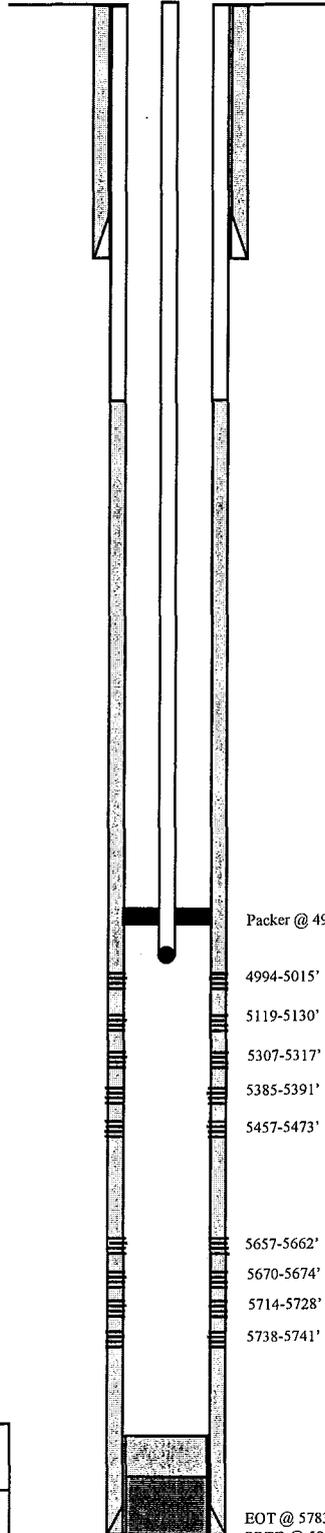
### FRAC JOB

08/22/00 5657-5741' Frac CP sands w/78,373# of 20/40 sand in 497 bbls Viking I-25 fluid. Perfs broke @ 4334 psi. Avg rate of 34 BPM at avg. press of 2200 psi. ISIP 1610 psi; 5 min 1560 psi. Left pressure on well.

08/22/00 5457-5473' Frac Lo LDC sands w/50,000# 20/40 sand in 374 bbls Viking I-25 fluid. Perfs broke @ 4410 psi. Avg press of 2950 psi w/avg rate of 30.3 BPM. ISIP 1650 psi; 5 min 1540 psi. Flowback on 12/64" choke for 2-1/2 hrs & died.

08/24/00 5307-5391' Frac A & upper LDC sands w/134,320# 20/40 sand in 787 bbls Viking I-25 fluid. Perfs broke @ 2438psi. Avg press of 2010 psi w/avg rate of 32 BPM. ISIP 1750 psi; 5 min 1690 psi. Left pressure on well.

8/24/00 4994-5130' Frac B/C sands w/81,820# 20/40 sand in 546 bbls Viking I-25 fluid. Perfs broke @ 2518 psi. Avg press of 1700 psi w/avg rate of 30 BPM. ISIP 1575 psi; 5 min 1535 psi. Flowback on 12/64" choke for 3 hrs and died.



### PERFORATION RECORD

Date	Interval	SPF	Shots
8/22/00	5657-662'	4 SPF	20 shots
8/22/00	5670-674'	4 SPF	16 shots
8/22/00	5714-728'	4 SPF	56 shots
8/22/00	5738-741'	4 SPF	12 shots
8/22/00	5457-473'	4 SPF	56 shots
8/23/00	5385-391'	1 SPF	6 shots
8/23/00	5307-317'	2 SPF	20 shots
8/24/00	4994-5015'	4 SPF	84 shots
8/24/00	5119-130'	4 SPF	44 shots

Packer @ 4950' KB

4994-5015'

5119-5130'

5307-5317'

5385-5391'

5457-5473'

5657-5662'

5670-5674'

5714-5728'

5738-5741'

EOT @ 5783'  
 PBTD @ 5844'  
 TD @ 5857'



**Inland Resources Inc.**

**Odekirk Spring #15-36-8-17**

722.5' FSL and 1983' FEL

SWSE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33199; Lease #ML-44305

# Odekirk Spring #16-36-8-17

Spud Date: 9/29/00  
 Put on Production: 12/02/00  
 GL: 4981.3' KB: 4991.3'

Initial Production: 514 BOPD,  
 135 MCFPD, 32.5 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (298.83')  
 DEPTH LANDED: 295.13' GL; 305.13' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sx Class "G" cmt w/2% CaCL2 + 1/4#/sk Cello-Flake

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts.  
 DEPTH LANDED: 5947.74' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 410 sx Premium lite II plus additives, & 545 sx 50/50 Poz plus additives.

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55 tbg.  
 NO. OF JOINTS: 186 jts.  
 TUBING ANCHOR: 5668'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5765.62'  
 SN LANDED AT: 5701.8'

**SUCKER RODS**

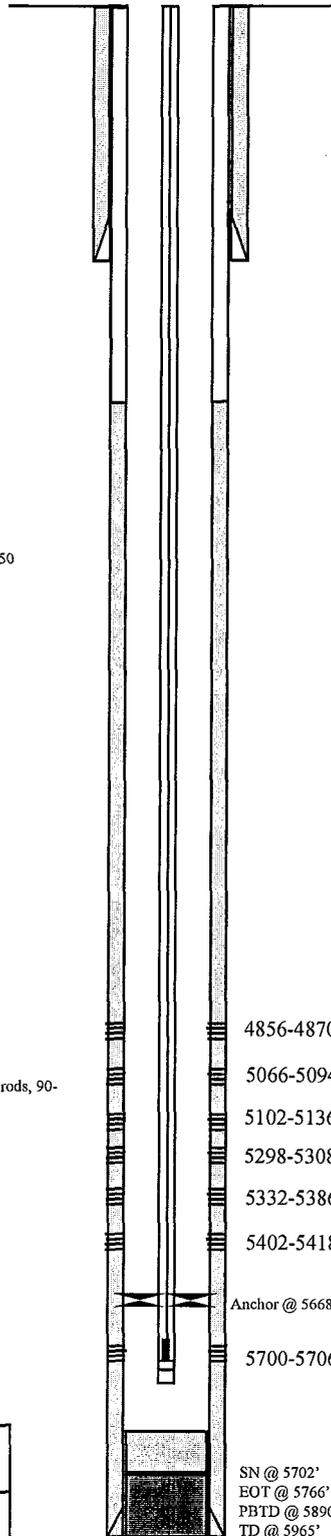
POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-11/2" wt rods, 10-3/4" scraped, 124-3/4" plain rods, 90-3/4" scraped, 2-4' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2 x 1-1/2 x 15 RHAC pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL  
 CN/CD/GR

**FRAC JOB**

- 11-27-00 5700-706' Frac CP1 sands as follows:**  
 25,000# 20/40 sand in 291 bbls Viking I-25 fluid. Perfs broke down @ 4150 psi. Avg press of 1930 psi w/avg rate of 25.5 BPM. ISIP 1670 psi. Left pressure on well. Est 417 BWTR.
- 11-27-00 5298-418' Frac A/LDC sands as follows:**  
 157,136# 20/40 sand in 1005 bbls Viking I-25 fluid. Perfs broke @ 3846 psi. Avg press of 1320 psi w/avg rate of 32.2 BPM. ISIP 1380 psi. Flowed back on 12/64 choke for 6 hrs & died. Rec. 315 BTF.
- 11-28-00 4856-870' Frac D2 sands as follows:**  
 40,000# 20/40 sand in 321 bbls Viking I-25 fluid. Perfs broke @ 3784 psi. Avg press of 1780 psi w/avg rate of 30 BPM. ISIP 1960 psi. Flowed back on 12/64 choke for 3-1/2 hrs & died. Rec 164 BTF.
- 11-28-00 5066-136' Frac B1 sands as follows:**  
 167,000# 20/40 sand in 968 bbls Viking I-25 fluid. Perfs broke @ 1880 psi. Avg press of 1250 psi, w/avg rate of 34 BPM. ISIP 1470 psi. Flowed back on 12/64 choke for 2-1/2 hrs & died. Rec 109 BTF.

**PERFORATION RECORD**

11-27-00	5700-006'	4 jspf	24 holes
11-27-00	5298-308'	4 jspf	40 holes
11-27-00	5332-336'	4 jspf	16 holes
11-27-00	5338-342'	4 jspf	16 holes
11-27-00	5371-377'	4 jspf	24 holes
11-27-00	5382-386'	4 jspf	16 holes
11-27-00	5402-405'	4 jspf	12 holes
11-27-00	5408-412'	4 jspf	16 holes
11-27-00	5414-418'	4 jspf	16 holes
11-28-00	4856-860'	4 jspf	16 holes
11-28-00	4863-870'	4 jspf	28 holes
11-28-00	5066-070'	4 jspf	16 holes
11-28-00	5073-075'	4 jspf	8 holes
11-28-00	5078-082'	4 jspf	16 holes
11-28-00	5084-094'	4 jspf	40 holes
11-28-00	5102-108'	4 jspf	24 holes
11-28-00	5113-116'	4 jspf	12 holes
11-28-00	5121-136'	4 jspf	60 holes



SN @ 5702'  
 EOT @ 5766'  
 PBTID @ 5890'  
 TD @ 5965'



**Inland Resources Inc.**

**Odekirk Spring #16-36-8-17**

669' FSL 586' FEL

SESE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33200; Lease #ML-44305

**ATTACHMENT E**

**NAME AND DEPTH OF USDWs**

**For Class II wells, submit geologic name and depth to bottom of all underground sources of drinking water, which may be affected by the injection.**

Due to the location and depth of the well, it will not affect any source of drinking water. See Attachments E-1 through E-4, showing pertinent water analyses.

Attachment E-1 Water analysis of the primary fluid to be injected (Unichem Water Analysis of the Johnson Water District, taken January 27, 2000)

Attachment E-2 Water Analysis of the secondary fluid to be injected (Unichem Water Analysis of produced water commingled with Johnson Water, taken August 25, 1999 at the Monument Butte Injection Facility)

Attachment E-3 Analysis of the formation water taken from the Odekirk Spring State #9-36-8-17

Attachment E-4 Analysis of the compatibility of the injected and formation water

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5088  
Fax (435) 722-5727

Attachment E-1

## WATER ANALYSIS REPORT

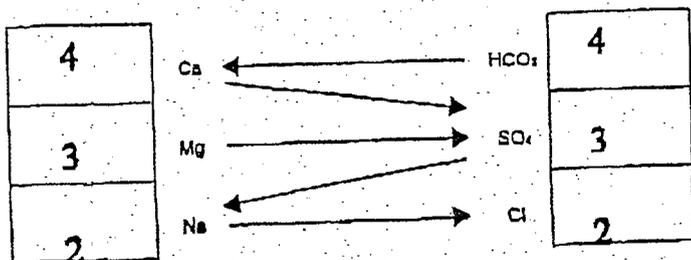
Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

Source JOHNSON Data Sampled 1-26-00 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l	
1. PH	<u>7.4</u>			
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>			
3. Specific Gravity	<u>1.001</u>			
4. Dissolved Solids		<u>600</u>		
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	+ 30 <u>0</u>	CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>240</u>	+ 61 <u>4</u>	HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u>	OH
8. Chlorides (Cl)		Cl <u>71</u>	+ 35.5 <u>2</u>	Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>130</u>	+ 48 <u>3</u>	SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>72</u>	+ 20 <u>4</u>	Ca
11. Magnesium (Mg)		Mg <u>41</u>	+ 12.2 <u>3</u>	Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>350</u>		
13. Total Iron (Fe)		<u>0.6</u>		
14. Manganese				
15. Phosphate Residuals				

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equly. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	11.04	<u>4</u>			<u>324</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19	<u>3</u>			<u>181</u>
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	<u>2</u>			<u>117</u>

#### Saturation Values

CaCO<sub>3</sub>  
CaSO<sub>4</sub> · 2H<sub>2</sub>O  
MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l  
2,000 Mg/l  
103 Mg/l

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84088

Office (435) 722-5086  
Fax (435) 722-5727

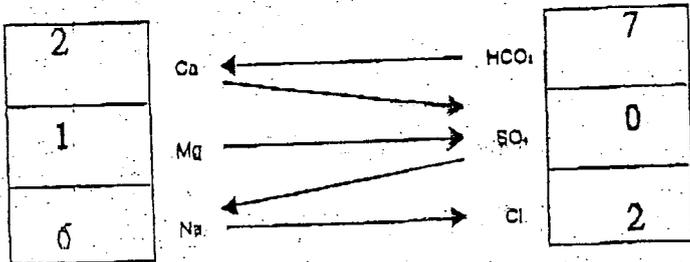
## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 8-25-99  
Source MBIF Date Sampled 8-25-99 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>8.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>688</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		<u>430</u>	+ 61 <u>7</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>71</u>	+ 35.5 <u>2</u> Cl
9. Sulfates (SO <sub>4</sub> )		<u>0</u>	+ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		<u>40</u>	+ 20 <u>2</u> Ca
11. Magnesium (Mg)		<u>12</u>	+ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>150</u>	
13. Total Iron (Fe)		<u>13</u>	
14. Manganese		<u>0</u>	
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,080 Mg/l
MgCO <sub>3</sub>	103 Mg/l

Compound	Equly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>1</u>			<u>73</u>
MgSO <sub>4</sub>	60.18				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00	<u>4</u>			<u>336</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	<u>2</u>			<u>117</u>

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84068

Office (435) 722-5068  
Fax (435) 722-6727

## WATER ANALYSIS REPORT

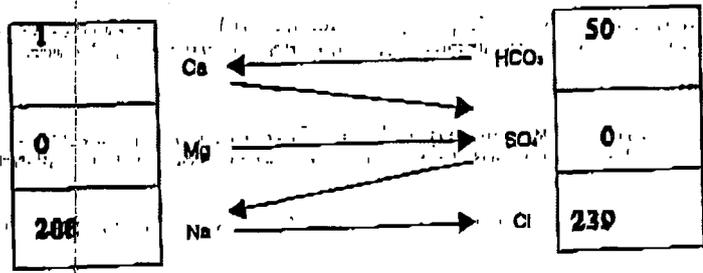
Company Inland Address \_\_\_\_\_ Date 4/3/01  
Source Ode Kirk Spring 9-36-8-17 Date Sampled 4/2/01 Analysis No. \_\_\_\_\_

Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>8.0</u>	
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>	
3. Specific Gravity	<u>1.018</u>	
4. Dissolved Solids	<u>18,194</u>	
5. Alkalinity (CaCO <sub>3</sub> )	<u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	<u>3,050</u>	+ 61 <u>50</u> HCO <sub>3</sub>
7. Hydroxyl (OH)	<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	<u>8,500</u>	+ 35.6 <u>239</u> Cl
9. Sulfates (SO <sub>4</sub> )	<u>0</u>	+ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)	<u>20</u>	+ 20 <u>1</u> Ca
11. Magnesium (Mg)	<u>0</u>	+ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )	<u>50</u>	
13. Total Iron (Fe)	<u>10</u>	
14. Manganese	<u>0.0</u>	
15. Phosphate Residuals		

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

Compound	Equly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>1</u>			<u>81</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.82				
NaHCO <sub>3</sub>	64.00	<u>49</u>			<u>4,116</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46	<u>239</u>			<u>13,972</u>



Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO  
 LOCATION:  
 SYSTEM:

4-3-2001

WATER DESCRIPTION:	JOHNSON WATER	ODEKIRK SPRINGS 9-36-8-17
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	5002
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	8500
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	50
MAGNESIUM AS PPM CaCO3	90	0
SODIUM AS PPM Na	92	6624
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	18194
TEMP (DEG-F)	100	100
SYSTEM pH	7.4	8

WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND ODEKIRK SPRINGS 9  
 CONDITIONS: pH=7.7. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER.

% Water	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.51	24	0	0	0
90	.68	28	0	0	0
80	.74	27	0	0	0
70	.74	26	0	0	0
60	.72	24	0	0	0
50	.68	21	0	0	0
40	.62	19	0	0	0
30	.56	17	0	0	0
20	.53	15	0	0	0
10	.49	13	0	0	0
0	.44	11	0	0	0

## ATTACHMENT G

### GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES

**For Class II wells, submit appropriate geological data on the injection zone and confining zones, including lithologic description, geological name, thickness, and depth and fracture pressure.**

The proposed injection well produced from and will inject into the Green River formation. Water is sourced from the Johnson Water District and injected or is commingled with produced water at the Monument Butte Injection Facility and processed for individual well injection.

The injection zones are in the Green River formation, bounded by the Garden Gulch marker and the Basal Carbonate Marker. The Green River is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. At the Odekirk Spring State #9-36-8-17 location, the proposed injection zone is from 4927'-5466'. The porous and permeable lenticular sandstones vary in thickness from 0' – 31' and are confined to the Monument Butte area by low porosity calcareous shales and carbonates.

The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate, in the Odekirk Spring State #9-36-8-17 well. The strata confining the injection zone are composed of tight, moderately calcareous, sandy lucustrine shales. 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.

The fracture pressure of the Odekirk Spring State #9-36 will be determined upon testing. The minimum fracture gradient calculates at 0.69 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be conducted upon injection and periodically thereafter to determine the actual fracture pressure. As the fracture pressure increases, we may elect to increase the injection pressure, but will not exceed the maximum of 1285 psig.

#### Communication Prevention:

The injection system will be equipped with high and low pressure shut down devices, which 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.

Attachment G-1 Formation Tops

Attachment G-2 Proposed Maximum Injection Pressure

Attachment G-3 Fracture Reports Dated 11/16/00 and 11/17/00.

Attachment G-4 Drilling and Completion Reports Dated 10/05/00 to 10/19/00 and 11/16/00 to 11/22/00

ATTACHMENT G-1

FORMATION TOPS

ODEKIRK SPRING STATE #9-36-8-17

<u>FORMATION</u>	<u>DEPTH (ft)</u>
Green River	3914'
Garden Gulch	4090'
Point Three Marker	4459'
X Marker	4649'
Y-Marker	4685'
Douglas Creek	4852'
Bicarbonate Marker	5084'
B-Limestone	5221'
Castle Peak Limestone	5625'
Total Depth	5939'

Attachment G-2

Odekirk Spring Fed #9-36-8-17  
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4927	5040	4984	1900	0.81	1868
5138	5171	5155	1300	0.69	1285 ←
5636	5466	5551	2000	0.79	2018
				<b>Minimum</b>	<u>1285</u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 * 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

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



**DAILY COMPLETION REPORT**

WELL NAME: Odekirk Spring 9-36-8-17 Report Date: 11/17/00 Day: 02  
Operation: New Completion Rig: KES #965

**WELL STATUS**

Surf Csg: 8 5/8 @ 306' Prod Csg: 5 1/2" 15.5# @ 5920' Csg PBTD: 5875'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 (B) Pkr/EOT @: 0 BP/Sand PBTD: 5610'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	<u>5365-5375'</u>	<u>4/40</u>			
LDC sds	<u>5431-5445'</u>	<u>4/56</u>			
LDC sds	<u>5462-5466'</u>	<u>4/16</u>			
CP2 sds	<u>5751-5756'</u>	<u>4/20</u>			
CP2 sds	<u>5790-5796'</u>	<u>4/24</u>			

**CHRONOLOGICAL OPERATIONS**

Date Work Performed: 16-Nov-00 SITP: \_\_\_\_\_ SICP: 1822

RU Schlumberger and run 5 1/2" HE RBP & 4" perf guns. Set plug @ 5610'. Bleed pressure off well. Rec est 2 BW. Perf LDC sds @ 5431-45' & 5462-66': perf A3 sds @ 5365-75'. All 4 JSPF. 4 runs total (had 1 misrun). RD WLT & BJ. TIH W/ 5 1/2" HD pkr & tbg. Tbg displaced 13 BW on TIH. Set pkr @ 5404'. Breakdown perfs 5431' through 5466' (dn tbg) @ 2925 psi. Establish injection rate of 3.8 BPM @ 2275 psi. Breakdown perfs 5365-75' (dn csg) @ 3867 psi. Establish injection rate of 3.4 BPM @ 1823 psi. Used 4 BW. Release pkr. TOH W/ tbg & pkr. RU BJ Services and frac A/LDC sds W/ 74,361# 20/40 sand in 555 bbls Viking I-25 fluid. Perfs broke back @ 2765 psi @ 15 BPM. Treated @ ave press of 1800 psi W/ ave rate of 31.6 BPM. ISIP-2000 psi. RD BJ. Start immediate flowback of A/LDC frac on 12/64 choke @ 1 BPM. Zone flowed 3 hrs & died. Rec 155 BTF (est 28% of frac load). SIFN W/ est 893 BWTR.

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 504 Starting oil rec to date: 0  
Fluid lost/recovered today: 389 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 893 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: 12/64 Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

**STIMULATION DETAIL**

Base Fluid used: Viking I-25 Job Type: Sand frac  
Company: BJ Services

Procedure or Equipment detail: A/LDC sands  
6000 gals of pad  
2000 gals W/ 1-5 ppg of 20/40 sand  
6500 gals W/ 5-8 ppg of 20/40 sand  
3512 gals W/ 8 ppg of 20/40 sand  
Flush W/ 5292 gals of slick water

**COSTS**

KES rig	<u>\$1,210</u>
RBP rental	<u>\$600</u>
Schlumberger-A/LDC	<u>\$3,293</u>
BJ Services--A/LDC	<u>\$20,040</u>
Frac water	<u>\$800</u>
Pkr rental	<u>\$800</u>
IPC Supervision	<u>\$100</u>

Max TP: 2765 Max Rate: 32.1 BPM Total fluid pmpd: 555 bbls  
Avg TP: 1800 Avg Rate: 31.6 BPM Total Prop pmpd: 74,361#  
ISIP: 2000 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$26,843  
TOTAL WELL COST: \$241,881





**DAILY COMPLETION REPORT**

**WELL NAME:** Odekirk Spring 9-36-8-17 **Report Date:** 11/18/00 **Day:** 066  
**Operation:** New Completion **Rig:** KES #965

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 306' **Prod Csg:** 5 1/2" 15.5# @ 5920' **Csg PBTD:** 5875'  
**Tbg:** **Size:** 2 7/8 **Wt:** 6.5# **Grd:** J-55 (B) **Pkr/EOT @:** 0 **BP/Sand PBTD:** 5610'  
**BP/Sand PBTD:** 5310'  
**BP/Sand PBTD:** 5065'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4927-4941'	4/56	A3 sds	5365-5375'	4/40
C sds	5036-5040'	4/16	LDC sds	5431-5445'	4/56
B1 sds	5138-5141'	4/12	LDC sds	5462-5466'	4/16
B1 sds	5164-5171'	4/28	CP2 sds	5751-5756'	4/20
			CP2 sds	5790-5796'	4/24

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 17-Nov-00 **SITP:** \_\_\_\_\_ **SICP:** 1070

RU Schlumberger and run 5 1/2" HE RBP & 4" perf guns. Set plug @ 5065'. Bleed pressure off well. Rec est 2 BW. Perf D2 sds @ 4927-41' ; perf C sds @ 5036-40'. All 4 JSPF. RU BJ Services and frac D/C sds W/ 36,269# 20/40 sand in 387 bbls Viking I-25 fluid. Perfs broke dn @ 4400 psi after several attempts @ pressuring up & surging pressure off. Treated @ ave press of 1600 psi W/ ave rate of 29 BPM. ISIP-1900 psi. Sandmaster malfunction caused loss of sand delivery. Achieved 7.2 max prop concentration & lacked est 36,000# of design. RD BJ & WLT. Flowback D/C frac immediately on 12/64 choke @ 1 BPM. Zone flowed 170 BTF (est 44% of frac load). SIFN W/ est 1394 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1179 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 215 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1394 **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** 12/64 **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Viking I-25 **Job Type:** Sand frac  
**Company:** BJ Services

**Procedure or Equipment detail:** C/D sands  
4000 gals of pad  
2000 gals W/ 1-5 ppg of 20/40 sand  
5434 gals W/ 5-7.2 ppg of 20/40 sand(of 6500 gal 5-8 stage)  
Flush W/ 4830 gals of slick water

**COSTS**

KES rig \$1,553  
RBP rental \$600  
Schlumberger-D/C sds \$2,822  
BJ Services--D/C sds \$17,207  
Frac water \$700  
Frac head rental \$200  
Frac tks (6 X 3 days) \$720  
Fuel gas (+/- 600mcf) \$2,700  
IPC Supervision \$100

**Max TP:** 1925 **Max Rate:** 33 BPM **Total fluid pmpd:** 387 bbls  
**Avg TP:** 1600 **Avg Rate:** 29 BPM **Total Prop pmpd:** 36,269#  
**ISIP:** 1900 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **15 min:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$26,602  
**TOTAL WELL COST:** \$295,158



Attachment G-4  
Page 1 of 15

### DAILY DRILLING REPORT

WELL NAME Odekirk Springs 9-36-8-17 Report Date 10/05/00 Days Since Spud A  
 TD                      Footage                      Frmtn Uinta PO Waiting on drilling rig Rig Ross 14

#### MUD PROPERTIES

WT Air VIS                      WL                      FC                      CHLORIDES                      DAILY                      CUM                       
 OIL                      SLDS                      SD                      CALCIUM                      PV                      YP                      GEL                     

#### WATER USED (BBLs)

#### BIT RECORD

CUM ROTATING HRS:                     

BIT #                      SIZE                      TYPE                      SER #                      JETS                      HRS                      FT.                      OUT @                      GR.                       
 BIT #                      SIZE                      TYPE                      SER #                      JETS                      HRS                      FT.                      OUT @                      GR.                       
 WEIGHT ON BIT                      ROTARY RPM                      BHA                      FT CONSISTS OF                     

#### DEVIATION

#### HYDRAULICS

PUMP #1: LINERS                      STROKES                      SPM                      PRESS                      GAL/MIN:                      JET VEL:                      BIT HHP:                       
 PUMP #2: LINERS                      STROKES                      SPM                      PRESS                      ANN VEL:                      DP:                      DC:                     

#### DRILLING GAS

AVG UNITS                      MAX UNITS                      CONNECT GAS                      TRIP GAS                       
 DRLG BREAK/SHOWS:                                                                                    

#### DAILY MUD MATERIALS

GEL                       
 BARITE                       
 SALT/KCI                       
 DAP                       
 DRISPA/POLY                       
 LCM                       
 OTHER                     

#### CHRONOLOGICAL OPERATIONS

                     HRS Well was Spud on by Ross #14 on 10/03/00 1:30 pm  
                     HRS Drill 311' of 12 1/4" hole set 7 jt's 8 5/8" csg set @ 292.34 GL  
                     HRS Cement will follow.  
                     HRS CEMENTED WITH 155 SKS. CEMENT ON 10/05/00.  
                     HRS Cement report on tab @ btm of page.  
                     HRS                       
                     HRS                       
                     HRS                       
                     HRS                       
                     HRS                       
                     HRS                       
                     HRS                       
                     HRS                     

CUM MUD COST                     

#### DAILY COST SUMMARY

Location	6,805
Csg head	700
OEE-ARCH-SRVY	1,900
B.J. & float equip.	4,763
Anchors	950
IPC Supervision	200
Spud rig	6,000
8 5/8 casing	2,352
DAILY COST	23,670
TOTAL COST	23,670

PROG TD @ 5920 EXPECTED 10/17/00

DRILLING SUPERVISOR Pat Wisener



### DAILY DRILLING REPORT

WELL NAME Odekirk Springs 9-36-8-17 Report Date 10/13/00 Days Since Spud 1  
TD Footage Frmtn Uinta PO Union 14 Rig Union 14

#### MUD PROPERTIES

#### WATER USED (BBLs)

WT Air VIS \_\_\_\_\_ WL \_\_\_\_\_ FC \_\_\_\_\_ CHLORIDES \_\_\_\_\_ DAILY \_\_\_\_\_ CUM 1200  
OIL \_\_\_\_\_ SLDS \_\_\_\_\_ SD \_\_\_\_\_ CALCIUM \_\_\_\_\_ PV \_\_\_\_\_ YP \_\_\_\_\_ GEL \_\_\_\_\_

#### BIT RECORD

#### CUM ROTATING HRS: \_\_\_\_\_

BIT # \_\_\_\_\_ SIZE \_\_\_\_\_ TYPE \_\_\_\_\_ SER # \_\_\_\_\_ JETS \_\_\_\_\_ HRS \_\_\_\_\_ FT. \_\_\_\_\_ OUT @ \_\_\_\_\_ GR. \_\_\_\_\_  
BIT # \_\_\_\_\_ SIZE \_\_\_\_\_ TYPE \_\_\_\_\_ SER # \_\_\_\_\_ JETS \_\_\_\_\_ HRS \_\_\_\_\_ FT. \_\_\_\_\_ OUT @ \_\_\_\_\_ GR. \_\_\_\_\_  
WEIGHT ON BIT \_\_\_\_\_ ROTARY RPM \_\_\_\_\_ BHA \_\_\_\_\_ FT CONSISTS OF \_\_\_\_\_

#### DEVIATION

#### HYDRAULICS

PUMP #1: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRESS: \_\_\_\_\_ GAL/MIN: \_\_\_\_\_ JET VEL: \_\_\_\_\_ BIT HHP: \_\_\_\_\_  
PUMP #2: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRESS \_\_\_\_\_ ANN VEL, DP: \_\_\_\_\_ DC: \_\_\_\_\_

#### DRILLING GAS

AVG UNITS \_\_\_\_\_ MAX UNITS \_\_\_\_\_ CONNECT GAS \_\_\_\_\_ TRIP GAS \_\_\_\_\_  
DRLG BREAK/SHOWS: \_\_\_\_\_

#### DAILY MUD MATERIALS

GEL \_\_\_\_\_  
BARITE \_\_\_\_\_  
SALT/KCI \_\_\_\_\_  
DAP \_\_\_\_\_  
DRISPAC/POLY \_\_\_\_\_  
LCM \_\_\_\_\_  
OTHER \_\_\_\_\_

#### CHRONOLOGICAL OPERATIONS

\_\_\_\_\_ HRS MIRU union # 14 set equipment on 10/12/00.  
\_\_\_\_\_ HRS \_\_\_\_\_  
\_\_\_\_\_ HRS \_\_\_\_\_

#### CUM MUD COST \_\_\_\_\_

#### DAILY COST SUMMARY

UNION \_\_\_\_\_  
IPC Supervision 200  
Sanitation 300  
Garbage 150

PROG TD @ 5920 EXPECTED 10/17/00  
DRILLING SUPERVISOR Pat Wisener

DAILY COST 650  
TOTAL COST 23,670



### DAILY DRILLING REPORT

**WELL NAME** Odekirk Springs 9-36-8-17 **Report Date** 10/14/00 **Days Since Spud** 2  
**TD** 2187' **Footage** 1546' **Frmtn** Uinta **PO** Drilling 7 7/8 hole W/ air **Rig** Union 14

#### MUD PROPERTIES

#### WATER USED (BBLs)

**WT** Air **VIS** \_\_\_\_\_ **WL** \_\_\_\_\_ **FC** \_\_\_\_\_ **CHLORIDES** \_\_\_\_\_ **DAILY** \_\_\_\_\_ **CUM** 1200  
**OIL** \_\_\_\_\_ **SLDS** \_\_\_\_\_ **SD** \_\_\_\_\_ **CALCIUM** \_\_\_\_\_ **PV** \_\_\_\_\_ **YP** \_\_\_\_\_ **GEL** \_\_\_\_\_

#### BIT RECORD

**CUM ROTATING HRS:** 20

**BIT #** 1 **SIZE** 7 7/8 **TYPE** HP 53 **SER #** H41778 **JETS** 3/24 **HRS** 20 **FT.** 1885' **OUT @** \_\_\_\_\_ **GR.** \_\_\_\_\_  
**BIT #** \_\_\_\_\_ **SIZE** \_\_\_\_\_ **TYPE** \_\_\_\_\_ **SER #** \_\_\_\_\_ **JETS** \_\_\_\_\_ **HRS** \_\_\_\_\_ **FT.** \_\_\_\_\_ **OUT @** \_\_\_\_\_ **GR.** \_\_\_\_\_  
**WEIGHT ON BIT** 40 **ROTARY RPM** 60 **BHA** 604.50 **FT CONSISTS OF** bit #1, sub, 20 (6 1/4) DC's, X-O

#### DEVIATION

1007'    1500'    2023'  
1 1/4\*    1 1/2\*    2\*

#### HYDRAULICS

**PUMP #1: LINERS** \_\_\_\_\_ **STROKES** \_\_\_\_\_ **SPM** \_\_\_\_\_ **PRES:** 200 **GAL/MIN:** 2400cfm **JET VEL:** \_\_\_\_\_ **BIT HHP:** \_\_\_\_\_  
**PUMP #2: LINERS** \_\_\_\_\_ **STROKES** \_\_\_\_\_ **SPM** \_\_\_\_\_ **PRESS** \_\_\_\_\_ **ANN VEL,** \_\_\_\_\_ **DP:** \_\_\_\_\_ **DC:** \_\_\_\_\_

#### DRILLING GAS

**AVG UNITS** \_\_\_\_\_ **MAX UNITS** \_\_\_\_\_ **CONNECT GAS** \_\_\_\_\_ **TRIP GAS** \_\_\_\_\_  
**DRLG BREAK/SHOWS:** \_\_\_\_\_

#### DAILY MUD MATERIALS

**GEL** \_\_\_\_\_  
**BARITE** \_\_\_\_\_  
**SALT/KCI** \_\_\_\_\_  
**DAP** \_\_\_\_\_  
**DRISPAC/POLY** \_\_\_\_\_  
**LCM** \_\_\_\_\_  
**OTHER** \_\_\_\_\_

#### CHRONOLOGICAL OPERATIONS

1/2 HRS Change air head rubber-install drivers.  
1 1/2 HRS Drill 7 7/8 hole W/ air f/ 641' to 767'.  
1 HRS RS.  
3 1/2 HRS Drill 7 7/8 hole W/ air f/ 767' to 1007'.  
1/2 HRS Survey--1 1/4\* @ 1007'.  
1 1/2 HRS Drill 7 7/8 hole W/ air f/ 1007' to 1170'.  
1/4 HRS RS.  
5 HRS Drill 7 7/8 hole W/ air f/ 1170' to 1540'.  
1/2 HRS Survey--1 1/2\* @ 1500'.  
7 1/2 HRS Drill 7 7/8 hole W/ air f/ 1540' to 2063'.  
1/2 HRS RS & survey--2\* @ 2023'.  
1 3/4 HRS Drill 7 7/8 hole W/ air f/ 2063' to 2187'.  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_

**CUM MUD COST** \_\_\_\_\_

#### DAILY COST SUMMARY

**UNION ftg** 17,316  
**Location** 6,805  
**IPC Supervision** 200  
**DAILY COST** 24,321  
**TOTAL COST** 52,438

**PROG TD @** 5920 **EXPECTED** 10/17/00

**DRILLING SUPERVISOR** Gary Dietz



### DAILY DRILLING REPORT

WELL NAME Odekirk Springs 9-36-8-17 Report Date 10/15/00 Days Since Spud 3  
 TD 3520' Footage 1333 Frmtn Uinta PO Drilling 7 7/8" hole w/air Rig Ross 14

#### MUD PROPERTIES

#### WATER USED (BBLs)

WT Air VIS \_\_\_\_\_ WL \_\_\_\_\_ FC \_\_\_\_\_ CHLORIDES \_\_\_\_\_ DAILY 920 CUM 2120  
 OIL \_\_\_\_\_ SLDS \_\_\_\_\_ SD \_\_\_\_\_ CALCIUM \_\_\_\_\_ PV \_\_\_\_\_ YP \_\_\_\_\_ GEL \_\_\_\_\_

#### BIT RECORD

CUM ROTATING HRS: 35.5

BIT # 1 SIZE 7 7/8' TYPE HP53 SER # H41778 JETS 3/24 HRS 35.5 FT. 3205 OUT @ \_\_\_\_\_ GR. \_\_\_\_\_  
 BIT # \_\_\_\_\_ SIZE \_\_\_\_\_ TYPE \_\_\_\_\_ SER # \_\_\_\_\_ JETS \_\_\_\_\_ HRS \_\_\_\_\_ FT. \_\_\_\_\_ OUT @ \_\_\_\_\_ GR. \_\_\_\_\_  
 WEIGHT ON BIT 40 ROTARY RPM 60 BHA 604.5 FT CONSISTS OF Bit#1,x-o,20(6 1/4" D.C.),x-o

#### DEVIATION

2484' 3005' \_\_\_\_\_  
3\* 2\* \_\_\_\_\_

#### HYDRAULICS

PUMP #1: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRES: 230 GAL/MIN 2400cfm: JET VEL: \_\_\_\_\_ BIT HHP: \_\_\_\_\_  
 PUMP #2: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRESS \_\_\_\_\_ ANN VEL, DP: \_\_\_\_\_ DC: \_\_\_\_\_

#### DRILLING GAS

AVG UNITS \_\_\_\_\_ MAX UNITS \_\_\_\_\_ CONNECT GAS \_\_\_\_\_ TRIP GAS \_\_\_\_\_  
 DRLG BREAK/SHOWS: \_\_\_\_\_

#### DAILY MUD MATERIALS

GEL \_\_\_\_\_  
 BARITE \_\_\_\_\_  
 SALT/KCI \_\_\_\_\_  
 DAP \_\_\_\_\_  
 DRISPAC/POLY \_\_\_\_\_  
 LCM \_\_\_\_\_  
 OTHER \_\_\_\_\_

#### CHRONOLOGICAL OPERATIONS

4 HRS Drill 7 7/8" hole with air to a depth of 2524'  
1 HRS rig service & survey  
4 3/4 HRS Drill 7 7/8" hole with air to a depth of 2799'  
1/2 HRS rig service.  
3 1/2 HRS Drill 7 7/8" hole with air to a depth of 3045'  
1/2 HRS survey  
9 3/4 HRS Drill 7 7/8" hole with air to a depth of 3520'  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_

#### CUM MUD COST

#### DAILY COST SUMMARY

UNION 14,930  
 IPC Supervision 200  
 Rig move \_\_\_\_\_

PROG TD @ 5920 EXPECTED 10/17/00  
 DRILLING SUPERVISOR Pat Wisener

DAILY COST 15,130  
 TOTAL COST 67,568



### DAILY DRILLING REPORT

WELL NAME Odekirk Springs 9-36-8-17 Report Date 10/16/00 Days Since Spud 4  
 TD 4300' Footage 780 Frmtn Uinta PO Drilling 7 7/8" hole w/fluid Rig Ross 14

#### MUD PROPERTIES

WT 8.6 VIS 27 WL \_\_\_\_\_ FC \_\_\_\_\_ CHLORIDES \_\_\_\_\_ DAILY \_\_\_\_\_ CUM 2120  
 OIL \_\_\_\_\_ SLDS \_\_\_\_\_ SD \_\_\_\_\_ CALCIUM \_\_\_\_\_ PV \_\_\_\_\_ YP \_\_\_\_\_ GEL \_\_\_\_\_

#### WATER USED (BBLs)

#### BIT RECORD

CUM ROTATING HRS: 47.25

BIT # 1 SIZE 7 7/8' TYPE HP52 SER # H41778 JETS 3/24 HRS 39.75 FT. 3502 OUT @ 3817' GR. B  
 BIT # 2 SIZE 7 7/8' TYPE HP53 SER # B09792 JETS 3/15 HRS 7.5 FT. 483 OUT @ \_\_\_\_\_ GR. \_\_\_\_\_  
 WEIGHT ON BIT 38 ROTARY RPM 60 BHA 625.66 FT CONSISTS OF Bit#2,MM,x-o,20(6 1/4" D.C.),x-o

#### DEVIATION

3777' \_\_\_\_\_  
1 1/2\* \_\_\_\_\_

#### HYDRAULICS

PUMP #1: LINERS 6" STROKES 14" SPM 54 PRESS: 1100 GAL/MIN 320 JET VEL: \_\_\_\_\_ BIT HHP: \_\_\_\_\_  
 PUMP #2: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRESS \_\_\_\_\_ ANN VEL, \_\_\_\_\_ DP: \_\_\_\_\_ DC: \_\_\_\_\_

#### DRILLING GAS

AVG UNITS \_\_\_\_\_ MAX UNITS \_\_\_\_\_ CONNECT GAS \_\_\_\_\_ TRIP GAS \_\_\_\_\_  
 DRLG BREAK/SHOWS: \_\_\_\_\_

#### DAILY MUD MATERIALS

GEL \_\_\_\_\_  
 BARITE \_\_\_\_\_  
 SALT/KCI \_\_\_\_\_  
 DAP \_\_\_\_\_  
 POLY 1/2 gals.  
 LIME 3 sks.  
 TREAT O CLAY 10 gals.

#### CHRONOLOGICAL OPERATIONS

1 3/4 HRS Drill 7 7/8" hole with air to a depth of 3632'  
3/4 HRS rig service  
3 1/2 HRS Drill 7 7/8" hole with air to a depth of 3817'  
1 1/2 HRS C & C hole, load with water, Drop survey  
2 1/2 HRS TOH with drill string & BHA.  
2 1/4 HRS TIH with Bit #2, MM & BHA.  
1/2 HRS Fill drill pipe and break circulation wash 15' to BTM.  
3 3/4 HRS Drill 7 7/8" hole with water based mud to a depth of 4025'  
1/4 HRS rig service  
7 1/4 HRS Drill 7 7/8" hole with water based mud to a depth of 4300'  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_

CUM MUD COST \$1900.

#### DAILY COST SUMMARY

UNION 8,736  
 IPC Supervision 200  
 Rig move 8,510  
 Mud package 1,900  
 DAILY COST 19,346  
 TOTAL COST 86,914

PROG TD @ 5920 EXPECTED 10/17/00  
 DRILLING SUPERVISOR Pat Wisener



### DAILY DRILLING REPORT

WELL NAME Odekirk Springs 9-36-8-17 Report Date 10/17/00 Days Since Spud 5  
 TD 5230' Footage 930 Frmtn G.R. PO Drilling 7 7/8" hole w/fluid Rig Union 14

#### MUD PROPERTIES

#### WATER USED (BBLs)

WT 8.6 VIS 27 WL \_\_\_\_\_ FC \_\_\_\_\_ CHLORIDES \_\_\_\_\_ DAILY 720 CUM 2840  
 OIL \_\_\_\_\_ SLDS \_\_\_\_\_ SD \_\_\_\_\_ CALCIUM \_\_\_\_\_ PV \_\_\_\_\_ YP \_\_\_\_\_ GEL \_\_\_\_\_

#### BIT RECORD

CUM ROTATING HRS: 64.5

BIT # 1 SIZE 7 7/8" TYPE HP52 SER # H41778 JETS 3/24 HRS 39.75 FT. 3502 OUT @ 3817' GR. B  
 BIT # 2 SIZE 7 7/8" TYPE HP53 SER # B09792 JETS 3/15 HRS 24.75 FT. 1413 OUT @ \_\_\_\_\_ GR. \_\_\_\_\_  
 WEIGHT ON BIT 38 ROTARY RPM 60 BHA 625.66 FT CONSISTS OF Bit#2,MM,x-o,20(6 1/4" D.C.),x-o

#### DEVIATION

4554' 5016' \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
2 1/2\* 3/4\* \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

#### HYDRAULICS

PUMP #1: LINERS 6" STROKES 14" SPM 54 PRESS 1200 GAL/MIN 320 JET VEL: \_\_\_\_\_ BIT HHP: \_\_\_\_\_  
 PUMP #2: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRESS \_\_\_\_\_ ANN VEL, DP: \_\_\_\_\_ DC: \_\_\_\_\_

#### DRILLING GAS

AVG UNITS \_\_\_\_\_ MAX UNITS \_\_\_\_\_ CONNECT GAS \_\_\_\_\_ TRIP GAS \_\_\_\_\_  
 DRLG BREAK/SHOWS: 4914-20' \_\_\_\_\_ \_\_\_\_\_  
5152-58' \_\_\_\_\_ \_\_\_\_\_

#### DAILY MUD MATERIALS

GEL \_\_\_\_\_  
 BARITE \_\_\_\_\_  
 SALT/KCI \_\_\_\_\_  
 DAP \_\_\_\_\_  
 POLY 3 gals.  
 LIME 20 sks.  
 TREAT O CLAY 20 gals.

#### CHRONOLOGICAL OPERATIONS

4 HRS Drill 7 7/8" hole with water based mud to a depth of 4429'  
1 HRS rig service  
3 1/4 HRS Drill 7 7/8" hole with water based mud to a depth of 4614'  
3/4 HRS Rig service & survey  
10 3/4 HRS Drill 7 7/8" hole with water based mud to a depth of 5077'  
1/2 HRS Rig service & survey  
3 3/4 HRS Drill 7 7/8" hole with water based mud to a depth of 5230'  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS \_\_\_\_\_

CUM MUD COST \$1900.

#### DAILY COST SUMMARY

UNION 10,417  
 IPC Supervision 200

PROG TD @ 5920 EXPECTED 10/18/00  
 DRILLING SUPERVISOR Pat Wisener

DAILY COST 10,617  
 TOTAL COST 97,531



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**LOGGING REPORT** Pat Wisener

TOTAL COST 110,080

**WELL NAME** Odekirk Springs 9-36-8-17 **Report Date** 10/18/00  
**TD** 5939' **Footage** 709 **Frmtn** G.R. **PO** Logging Well **Days Since Spud** 6  
**Rig** Union 14

**MUD PROPERTIES**

**WATER USED (BBLs)**

**WT** 8.6 **vis** 27 **WL** \_\_\_\_\_ **FC** \_\_\_\_\_ **CHLORIDES** \_\_\_\_\_ **DAILY** 400 **CUM** 3240  
**OIL** \_\_\_\_\_ **SLDS** \_\_\_\_\_ **SD** \_\_\_\_\_ **CALCIUM** \_\_\_\_\_ **PV** \_\_\_\_\_ **YP** \_\_\_\_\_ **GEL** \_\_\_\_\_

**BIT RECORD**

**CUM ROTATING HRS:** 78

**BIT #** 1 **SIZE** 77/8" **TYPE** HP52 **SER #** H41778 **JETS** 3/24 **HRS** 39.75 **FT.** 3502 **OUT @** 3817' **GR.** B  
**BIT #** 2 **SIZE** 77/8" **TYPE** HP53 **SER #** B09792 **JETS** 3/15 **HRS** 38.25 **FT.** 2122 **OUT @** 5939 **GR.** B  
**WEIGHT ON BIT** 38 **ROTARY RPM** 60 **BHA** 625.66 **FT CONSISTS OF** Bit#2,MM,x-o,20(61/4" D.C.),x-o

**DEVIATION**

5502' 5899'  
1\* 2\*

**HYDRAULICS**

**PUMP #1: LINERS** 6" **STROKES** 14" **SPM** 54 **PRES:** 1200 **GAL/MIN** 320 **JET VEL:** \_\_\_\_\_ **BIT HHP:** \_\_\_\_\_  
**PUMP #2: LINERS** \_\_\_\_\_ **STROKES** \_\_\_\_\_ **SPM** \_\_\_\_\_ **PRESS** \_\_\_\_\_ **ANN VEL,** \_\_\_\_\_ **DP:** \_\_\_\_\_ **DC:** \_\_\_\_\_

**DRILLING GAS**

**AVG UNITS** \_\_\_\_\_ **MAX UNITS** \_\_\_\_\_ **CONNECT GAS** \_\_\_\_\_ **TRIP GAS** \_\_\_\_\_  
**DRLG BREAK/SHOWS:** \_\_\_\_\_

**DAILY MUD MATERIALS**

**GEL** \_\_\_\_\_  
**BARITE** \_\_\_\_\_  
**SALT/KCI** \_\_\_\_\_  
**DAP** \_\_\_\_\_  
**POLY** 3 gals.  
**LIME** 6 sks.  
**TREAT O CLAY** 15 gals.

**CHRONOLOGICAL OPERATIONS**

2 1/4 HRS Drill 7 7/8" hole with water based mud to a depth of 5322'  
3/4 HRS rig service  
5 3/4 HRS Drill 7 7/8" hole with water based mud to a depth of 5569'  
1/2 HRS Rig service & survey  
8 1/4 HRS Drill 7 7/8" hole with water based mud to a depth of 5939' TD @ 11:20pm ~~10/17/00~~  
1 1/2 HRS C & C hole 1.5X 10/17/00  
5 HRS Lay Down drill string & BHA.  
HRS \_\_\_\_\_  
HRS \_\_\_\_\_

**CUM MUD COST** \$1900.

**DAILY COST SUMMARY**

**UNION** 9,599  
**IPC Supervision** 200  
**Water & trucking** 2,750

**PROG TD @** 5920 **EXPECTED** 10/18/00  
**DRILLING SUPERVISOR** Pat Wisener

**DAILY COST** 12,549  
**TOTAL COST** 110,080



### DAILY DRILLING REPORT

WELL NAME Odekirk Springs 9-36-8-17 Report Date 10/19/00 Days Since Spud 7  
 TD 5939' Footage Frmtn G.R. PO WOC Rig Union 14

#### MUD PROPERTIES

WT 8.6 VIS 27 WL \_\_\_\_\_ FC \_\_\_\_\_ CHLORIDES \_\_\_\_\_  
 OIL \_\_\_\_\_ SLDS \_\_\_\_\_ SD \_\_\_\_\_ CALCIUM \_\_\_\_\_ PV \_\_\_\_\_ YP \_\_\_\_\_ GEL \_\_\_\_\_

#### WATER USED (BBLs)

DAILY \_\_\_\_\_ CUM 3240

#### BIT RECORD

CUM ROTATING HRS: 78

BIT # 1 SIZE 77/8" TYPE HP52 SER # H41778 JETS 3/24 HRS 39.75 FT. 3502 OUT @ 3817' GR. B  
 BIT # 2 SIZE 77/8" TYPE HP53 SER # B09792 JETS 3/15 HRS 38.25 FT. 2122 OUT @ 5939 GR. B  
 WEIGHT ON BIT 38 ROTARY RPM 60 BHA 625.66 FT CONSISTS OF Bit#2,MM,x-o,20(61/4" D.C.),x-o

#### DEVIATION

#### HYDRAULICS

PUMP #1: LINERS 6" STROKES 14" SPM 54 PRESS 1200 GAL/MIN 320 JET VEL: \_\_\_\_\_ BIT HHP: \_\_\_\_\_  
 PUMP #2: LINERS \_\_\_\_\_ STROKES \_\_\_\_\_ SPM \_\_\_\_\_ PRESS \_\_\_\_\_ ANN VEL, \_\_\_\_\_ DP: \_\_\_\_\_ DC: \_\_\_\_\_

#### DRILLING GAS

AVG UNITS \_\_\_\_\_ MAX UNITS \_\_\_\_\_ CONNECT GAS \_\_\_\_\_ TRIP GAS \_\_\_\_\_  
 DRLG BREAK/SHOWS: \_\_\_\_\_

#### DAILY MUD MATERIALS

GEL \_\_\_\_\_  
 BARITE \_\_\_\_\_  
 SALT/KCl \_\_\_\_\_  
 DAP \_\_\_\_\_  
 POLY \_\_\_\_\_  
 LIME \_\_\_\_\_  
 TREAT O CLAY \_\_\_\_\_

#### CHRONOLOGICAL OPERATIONS

6 HRS RU. log & run Dual induction/Guard log/SP compensated density  
 \_\_\_\_\_ HRS Neutron Gamma ray/ Caliper log.  
 \_\_\_\_\_ HRS PU & MU5 1/2" Guide shoe, 1 jt.Float collar 138jt's 51/2"J-55 15.5# @ 5920/09 KB  
 \_\_\_\_\_ HRS Cement as follows:20bbls dye,20bbls Mud Clean II.  
 \_\_\_\_\_ HRS \*275 sks Prem Lite II w/10% Gel & 3% KCL mixed @ 11 ppg,>3.43 YLD.  
 \_\_\_\_\_ HRS \*550sks 50/50 Poz w/2% Gel & 3% KCL mixed @ 14.4 ppg,>1.23 YLD.  
 \_\_\_\_\_ HRS Plug down @ 6:45 pm 10/18/00.  
 \_\_\_\_\_ HRS Had 85 bbls of displacement pumped when we lost 1/2 of return rate. Slowed pump  
 \_\_\_\_\_ HRS rate, kept 1/2 return's. 128 bbls of 140 bbls we lost total returns.  
 \_\_\_\_\_ HRS 22 bbls short of cement to surface.  
 \_\_\_\_\_ HRS \_\_\_\_\_  
 \_\_\_\_\_ HRS Nipple down BOP's. Drop slips w/68,000# string weight.  
 \_\_\_\_\_ HRS Clean pits Rig down Release rig @ 10:00pm on 10/18/00.  
 \_\_\_\_\_ HRS Move rig to Odekirk Springs 16-36-8-17. On 10/19/00.  
 \_\_\_\_\_ HRS \_\_\_\_\_

CUM MUD COST \$1900.

#### DAILY COST SUMMARY

UNION 4,080  
 IPC Supervision 200  
 PSI logging 4,500  
 Float equip. 1,045  
 B.J. cementing 13,450  
 5959; of 51/2csgn. 32,361

PROG TD @ 5920 EXPECTED 10/18/00  
 DRILLING SUPERVISOR Pat Wisener

DAILY COST 55,636  
 TOTAL COST 165,716



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### DAILY COMPLETION REPORT

WELL NAME: Odekirk Spring 9-36-8-17 Report Date: 11/17/00 Day: 02  
Operation: New Completion Rig: KES #965

#### WELL STATUS

Surf Csg: 8 5/8 @ 306' Prod Csg: 5 1/2" 15.5# @ 5920' Csg PBTD: 5875'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 (B) Pkr/EOT @: 0 BP/Sand PBTD: 5610'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	5365-5375'	4/40			
LDC sds	5431-5445'	4/56			
LDC sds	5462-5466'	4/16			
CP2 sds	5751-5756'	4/20			
CP2 sds	5790-5796'	4/24			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Nov-00 SITP: \_\_\_\_\_ SICP: 1822

RU Schlumberger and run 5 1/2" HE RBP & 4" perf guns. Set plug @ 5610'. Bleed pressure off well. Rec est 2 BW. Perf LDC sds @ 5431-45' & 5462-66': perf A3 sds @ 5365-75'. All 4 JSPF. 4 runs total (had 1 misrun). RD WLT & BJ. TIH W/ 5 1/2" HD pkr & tbg. Tbg displaced 13 BW on TIH. Set pkr @ 5404'. Breakdown perfs 5431' through 5466' (dn tbg) @ 2925 psi. Establish injection rate of 3.8 BPM @ 2275 psi. Breakdown perfs 5365-75' (dn csg) @ 3867 psi. Establish injection rate of 3.4 BPM @ 1823 psi. Used 4 BW. Release pkr. TOH W/ tbg & pkr. RU BJ Services and frac A/LDC sds W/ 74,361# 20/40 sand in 555 bbls Viking I-25 fluid. Perfs broke back @ 2765 psi @ 15 BPM. Treated @ ave press of 1800 psi W/ ave rate of 31.6 BPM. ISIP-2000 psi. RD BJ. Start immediate flowback of A/LDC frac on 12/64 choke @ 1 BPM. Zone flowed 3 hrs & died. Rec 155 BTF (est 28% of frac load). SIFN W/ est 893 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 504 Starting oil rec to date: 0  
Fluid lost/recovered today: 389 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 893 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: 12/64 Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

#### STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: A/LDC sands

- 6000 gals of pad
- 2000 gals W/ 1-5 ppg of 20/40 sand
- 6500 gals W/ 5-8 ppg of 20/40 sand
- 3512 gals W/ 8 ppg of 20/40 sand
- Flush W/ 5292 gals of slick water

#### COSTS

KES rig	\$1,210
RBP rental	\$600
Schlumberger-A/LDC	\$3,293
BJ Services--A/LDC	\$20,040
Frac water	\$800
Pkr rental	\$800
IPC Supervision	\$100

Max TP: 2765 Max Rate: 32.1 BPM Total fluid pmpd: 555 bbls

Avg TP: 1800 Avg Rate: 31.6 BPM Total Prop pmpd: 74,361#

ISIP: 2000 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$26,843

TOTAL WELL COST: \$241,881



### DAILY COMPLETION REPORT

WELL NAME: Odekirk Spring 9-36-8-17 Report Date: 11/18/00 Day: 03  
Operation: New Completion Rig: KES #965

#### WELL STATUS

Surf Csg: 8 5/8 @ 306' Prod Csg: 5 1/2" 15.5# @ 5920' Csg PBDT: 5875'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 (B) Pkr/EOT @: 0 BP/Sand PBDT: 5610'  
BP/Sand PBDT: 5310'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B1 sds	5138-5141'	4/12	A3 sds	5365-5375'	4/40
B1 sds	5164-5171'	4/28	LDC sds	5431-5445'	4/56
			LDC sds	5462-5466'	4/16
			CP2 sds	5751-5756'	4/20
			CP2 sds	5790-5796'	4/24

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 17-Nov-00 SITP: \_\_\_\_\_ SICP: 25

Thaw wellhead with HO trk. Bleed pressure off csg. Rec est 5 BTF. RU Schlumberger and run 5 1/2" HE RBP & 4" perf guns. Set plug @ 5310'. Pressure test plug to 2200 psi. Perf B1 sds @ 5138-41' & 5164-71' W/ 4 JSPF. RU BJ Services to frac B1 sds. Unable to breakdown perfs. RU Schlumberger to run dumpbailer W/ acid. Stacked out solid @ 5050'. RD WLT. TIH W/ NC & tbg. Tbg displaced 12 BW on TIH. C/O sd to 5250'. Circ hole clean. Shut in tbg. Pump dn annulus & break dn perfs 5138' through 5171' @ 1400 psi. Establish injection rate of 4.5 BPM @ 1400 psi. Lost 4 BW. TOH W/ tbg & NC. RU BJ Services and frac B1 sds W/ 31,587# 20/40 sand in 299 bbls Viking I-25 fluid. Treated @ ave press of 1400 psi W/ ave rate of 29.2 BPM. ISIP-1300 psi, 5 min-1070 psi. Leave pressure on well. Est 1179 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 893 Starting oil rec to date: 0  
Fluid lost/recovered today: 286 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 1179 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

#### STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac  
Company: BJ Services  
Procedure or Equipment detail: B1 sands

- 2000 gals of pad
- 1000 gals W/ 1-5 ppg of 20/40 sand
- 3000 gals W/ 5-8 ppg of 20/40 sand
- 1460 gals W/ 8 ppg of 20/40 sand
- Flush W/ 5082 gals of slick water

#### COSTS

KES rig	\$1,553
BOP	\$130
Schlumberger-B1 sds	\$3,226
BJ Services--B1 sds	\$20,366
Frac water	\$700
RBP rental	\$600
IPC Supervision	\$100

Max TP: 2765 Max Rate: 30.8 BPM Total fluid pmpd: 299 bbls  
Avg TP: 1400 Avg Rate: 29.2 BPM Total Prop pmpd: 31,587#  
ISIP: 1300 5 min: 1070 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_  
Completion Supervisor: Gary Dietz

DAILY COST: \$26,675  
TOTAL WELL COST: \$268,556



**DAILY COMPLETION REPORT**

**WELL NAME:** Odekirk Spring 9-36-8-17 **Report Date:** 11/18/00 **Day:** 066  
**Operation:** New Completion **Rig:** KES #965

**WELL STATUS**

Surf Csg: 8 5/8 @ 306' Prod Csg: 5 1/2" 15.5# @ 5920' Csg PBTD: 5875'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 (B) Pkr/EOT @: 0 BP/Sand PBTD: 5610'  
 BP/Sand PBTD: 5310'  
 BP/Sand PBTD: 5065'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4927-4941'	4/56	A3 sds	5365-5375'	4/40
C sds	5036-5040'	4/16	LDC sds	5431-5445'	4/56
B1 sds	5138-5141'	4/12	LDC sds	5462-5466'	4/16
B1 sds	5164-5171'	4/28	CP2 sds	5751-5756'	4/20
			CP2 sds	5790-5796'	4/24

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 17-Nov-00 **SITP:** \_\_\_\_\_ **SICP:** 1070

RU Schlumberger and run 5 1/2" HE RBP & 4" perf guns. Set plug @ 5065'. Bleed pressure off well. Rec est 2 BW. Perf D2 sds @ 4927-41'; perf C sds @ 5036-40'. All 4 JSPF. RU BJ Services and frac D/C sds W/ 36,269# 20/40 sand in 387 bbls Viking I-25 fluid. Perfs broke dn @ 4400 psi after several attempts @ pressuring up & surging pressure off. Treated @ ave press of 1600 psi W/ ave rate of 29 BPM. ISIP-1900 psi. Sandmaster malfunction caused loss of sand delivery. Achieved 7.2 max prop concentration & lacked est 36,000# of design. RD BJ & WLT. Flowback D/C frac immediately on 12/64 choke @ 1 BPM. Zone flowed 170 BTF (est 44% of frac load). SIFN W/ est 1394 BWTR.

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 1179 Starting oil rec to date: 0  
 Fluid lost/recovered today: 215 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1394 Cum oil recovered: 0  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: 12/64 Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

**STIMULATION DETAIL**

Base Fluid used: Viking I-25 Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: C/D sands

- 4000 gals of pad
- 2000 gals W/ 1-5 ppg of 20/40 sand
- 5434 gals W/ 5-7.2 ppg of 20/40 sand (of 6500 gal 5-8 stage)
- Flush W/ 4830 gals of slick water

**COSTS**

KES rig	\$1,553
RBP rental	\$600
Schlumberger-D/C sds	\$2,822
BJ Services--D/C sds	\$17,207
Frac water	\$700
Frac head rental	\$200
Frac tks (6 X 3 days)	\$720
Fuel gas (+/- 600mcf)	\$2,700
IPC Supervision	\$100

Max TP: 1925 Max Rate: 33 BPM Total fluid pmpd: 387 bbls  
 Avg TP: 1600 Avg Rate: 29 BPM Total Prop pmpd: 36,269#  
 ISIP: 1900 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_  
 Completion Supervisor: Gary Dietz

**DAILY COST:** \$26,602  
**TOTAL WELL COST:** \$295,158





**DAILY COMPLETION REPORT**

**WELL NAME:** Odekirk Spring 9-36-8-17 **Report Date:** 11/21/00 **Day:** 05  
**Operation:** New Completion **Rig:** KES #965

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 306' **Prod Csg:** 5 1/2" 15.5# @ 5920' **Csg PBDT:** 5875'  
**Tbg:** Size: 2 7/8 Wt: 6.5# Grd: J-55 (B) Pkr/EOT @: 5841' **BP/Sand PBDT:** 5875'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4927-4941'	4/56	A3 sds	5365-5375'	4/40
C sds	5036-5040'	4/16	LDC sds	5431-5445'	4/56
B1 sds	5138-5141'	4/12	LDC sds	5462-5466'	4/16
B1 sds	5164-5171'	4/28	CP2 sds	5751-5756'	4/20
			CP2 sds	5790-5796'	4/24

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 20-Nov-00 **SITP:** 0 **SICP:** 0

Con't TOH W/ RBP & tbg f/ 3742'. LD plug. TIH W/ NC & tbg. Tag sd @ 5779'. Rev circ sd out to PBDT @ 5875'. Circ hole clean. Lost no fluid. Pull EOT to 5841'. RU swab equipment. IFL @ sfc. Made 16 swb runs rec 385 BTF (est 333 BW & 52 BW) W/ no sand & light gas. FFL @ 1400'. FOC @ 40%. SIFN W/ est 990 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1323 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 333 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 990 **Cum oil recovered:** 0  
**IFL:** sfc **FFL:** 1400' **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **inal oil cut:** 40%

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_ **KES rig** \$2,785  
**Company:** \_\_\_\_\_ **BOP** \$130  
**Procedure or Equipment detail:** \_\_\_\_\_ **IPC Supervision** \$200

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **15 min:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$3,115  
**TOTAL WELL COST:** \$302,218



Attachment G-4  
Page 14 of 15

**DAILY COMPLETION REPORT**

**WELL NAME:** Odekirk Spring 9-36-8-17 **Report Date:** 11/22/00 **Day:** 06  
**Operation:** New Completion **Rig:** KES #965

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 306' **Prod Csg:** 5 1/2" 15.5# @ 5920' **Csg PBTD:** 5875'  
**Tbg:** Size: 2 7/8 Wt: 6.5# Grd: J-55 (B) Pkr/EOT @: 5820' **BP/Sand PBTD:** 5872'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4927-4941'	4/56	A3 sds	5365-5375'	4/40
C sds	5036-5040'	4/16	LDC sds	5431-5445'	4/56
B1 sds	5138-5141'	4/12	LDC sds	5462-5466'	4/16
B1 sds	5164-5171'	4/28	CP2 sds	5751-5756'	4/20
			CP2 sds	5790-5796'	4/24

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 21-Nov-00 **SITP:** 0 **SICP:** 0

Con't swabbig well. IFL @ 700'. Made 5 swab runs rec 99 BTF (est 42 BO & 57 BW) W/ no sand & light gas. FFL @ 1100'. FOC @ 50%. Rev circ oil & gas f/ well. Rec est 40 BO & lost est 65 BW. TIH W/ tbg. Tag 3' new fill (5872'). LD excess tbg. TOH W/ tbg & NC. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 1 jt tbg, SN, 2 jts tbg, repaired Randys' 5 1/2" TA (45K), 183 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Strip off frac head. Strip on 3M production tbg head. Set TA @ 5722' W/ SN @ 5787' & EOT @ 5820'. Land tbg W/ 14,000# tension. NU wellhead. SIFN W/ est 998 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 990 **Starting oil rec to date:** 52  
**Fluid lost/recovered today:** 8 **Oil lost/recovered today:** 82  
**Ending fluid to be recovered:** 998 **Cum oil recovered:** 134  
**IFL:** 700' **FFL:** 1100' **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **inal oil cut:** 50%

**COSTS**

PRODUCTION TBG DETAIL	ROD DETAIL		
KB 10.00'		KES rig	\$2,493
183 2 7/8 J-55 tbg (5712.37')		BOP	\$130
TA (2.80' @ 5722.37' KB)		TA/SN	\$550
2 2 7/8 J-55 tbg (61.72')		HO trk	\$780
SN (1.10' @ 5786.89' KB)		IPC Supervision	\$200
1 2 7/8 J-55 tbg (31.31')			
2 7/8 NC (.45')			
EOT 5819.75' W/ 10' KB			
Pump/TA f/ TSF 9-29-8-17			

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$4,153  
**TOTAL WELL COST:** \$306,371



## ATTACHMENT H

### OPERATING DATA

Submit the following proposed operating data for each well (including all those to be covered by area permits): (1) average and maximum daily rate and volume of the fluids to be injected; (2) average and maximum injection pressure; (3) nature of annulus fluid; and (4) for Class II wells, source and analysis of the physical and chemical characteristics of the injection fluid.

1. Estimated average daily rate is 300 BPD, and the estimated maximum daily rate is 500 BPD.
2. The average and maximum surface pressure will be determined upon testing.
3. Fresh water treated with scale inhibitor, oxygen scavenger, biocide (behind packer fluid).
4. The injected fluid is primarily culinary water from the Johnson Water District; in secondary cases the injected fluid will be culinary water from the Johnson Water District commingled with produced water. (See Attachments E-1 through E-4 for analysis).

**ATTACHMENT M**  
**CONSTRUCTION DETAILS**

**Submit schematic or other appropriate drawings of the surface and subsurface construction details of the well.**

Attachment M-1 Wellbore schematic of Odekirk Spring State #9-36-8-17.

Attachment M-2 Site Plan of Odekirk Spring State #9-36-8-17.

# Odekirk Spring #9-36-8-17

Spud Date: 10/05/00  
 Put on Production: 12/06/00  
 GL: 5000' KB: 5010'

Initial Production: 80 BOPD,  
 33 MCFPD, 13 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 302.34' (KB)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class G cmt plus additives

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts.  
 DEPTH LANDED: 5920' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premium lite II & 550 sx 50/50 Poz  
 CEMENT TOP AT: ?'

**TUBING**

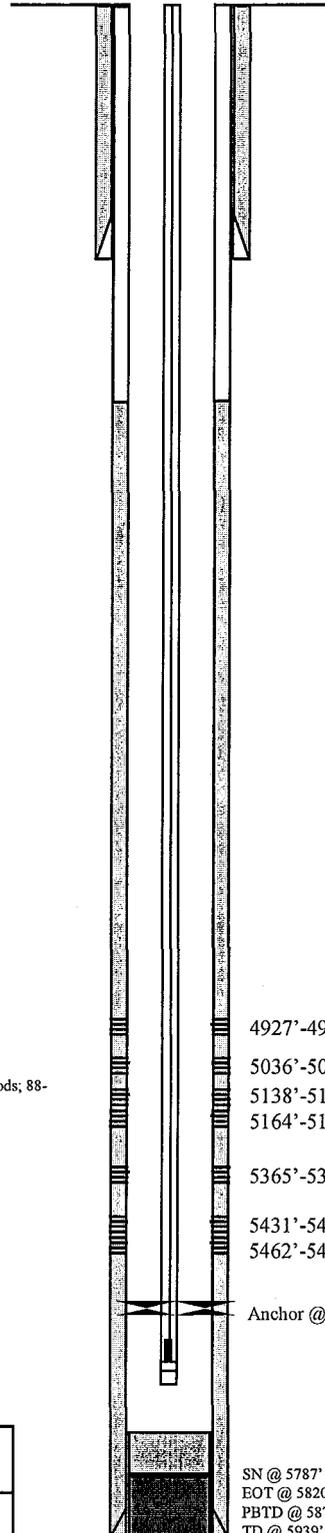
SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55 tbg.  
 NO. OF JOINTS: 177 jts.  
 TUBING ANCHOR: 5722.37' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5819.75' KB  
 SN LANDED AT: 5786.89' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-1-1/2" wt rods; 10-3/4" guided; 127-3/4" slick rods; 88-3/4" guided; 1-4', 1-6', and 1-8'x3/4" pony rods  
 PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL  
 CN/CD/GR

**FRAC JOB**

11/16/00 5365'-5466' Frac A/LDC sds w/74,361# 20/40 sand in 555 bbls Viking I-25 fluid. Perfs broke @ 2765 psi @ 15 BPM. Avg press of 1800 psi w/avg rate of 31.6 BPM. ISIP 2000#. Start immed. flowback on 12/64" choke - flowed 3 hrs & died. Rec 155 BTF. SIFN.  
 11/17/00 4927'-5040' Frac D/C sds w/36,269# of 20/40 sand in 387 bbls Viking I-25 fluid. Perfs broke @ 4400 psi. Treated @ avg press of 1600 psi w/avg rate of 29 BPM. ISIP 1900 psi. Flowback immed on 12/64" choke @ 1 BPM. Flowed 170 BTF. SIFN.  
 11/17/00 5138'-5171' Frac B1 sds w/31,587# 20/40 sand in 299 bbls Viking I-25 fluid. Treated at avg press of 1400 psi, w/avg rate of 29.2 BPM. ISIP 1300 psi, 5 min. 1070 psi. Left pressure on well.



**PERFORATION RECORD**

11/16/00	5431'-5445'	4 JSPF	56 holes
11/16/00	5462'-5466'	4 JSPF	16 holes
11/16/00	5365'-5375'	4 JSPF	40 holes
11/17/00	4927'-4941'	4 JSPF	56 holes
11/17/00	5036'-5040'	4 JSPF	16 holes
11/17/00	5138'-5141'	4 JSPF	9 holes
11/17/00	5164'-5171'	4 JSPF	28 holes

4927'-4941'  
 5036'-5040'  
 5138'-5141'  
 5164'-5171'  
 5365'-5375'  
 5431'-5445'  
 5462'-5466'

Anchor @ 5722'

SN @ 5787'  
 EOT @ 5820'  
 PBD @ 5872'  
 TD @ 5939'



**Inland Resources Inc.**  
**Odekirk Spring #9-36-8-17**  
 1938 FSL 639 FEL  
 NESE Section 36-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-33197; Lease #ML-44305

# Inland Production Company Site Facility Diagram

Odekirk 9-36-8-17

NESE Sec. 36, T8S, 17E

Uintah County, Utah

ML-44305

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

**Production Phase:**

- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2, 5, 6 sealed open

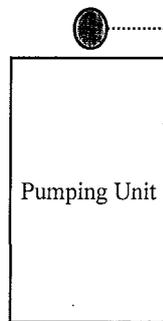
**Sales Phase:**

- 1) Valves 1, 2, 4, 5, 6 sealed closed
- 2) Valves 3 open

**Draining Phase:**

- 1) Valve 1 open

Well Head

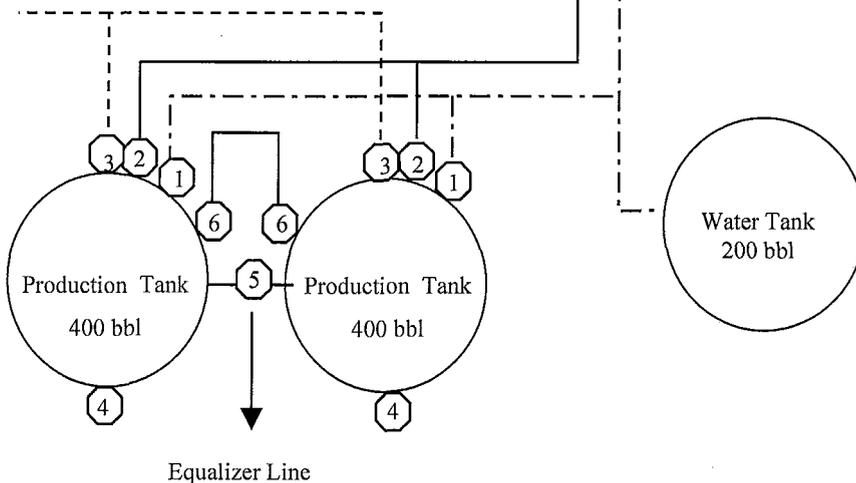


Heater Treater

Gas Sales Meter

Water Tank  
200 bbl

← Diked Section



**Legend**

Emulsion Line	.....
Load Line	-----
Water Line	-----
Oil Line	_____
Gas Sales	-----

**ATTACHMENT Q**

**PLUGGING AND ABANDONMENT PLAN**

**Submit a plan for plugging and abandonment of the well. Submit this information on EPA Form 7520-14, Plugging and Abandonment Plan.**

Attachment Q-1 EPA Form 7520-14, Plugging and Abandonment Plan

Attachment Q-2 Wellbore Schematic of Proposed Plugging and Abandonment

Attachment Q-3 Work Procedure for Plugging and Abandonment



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460  
**PLUGGING AND ABANDONMENT PLAN**

NAME AND ADDRESS OF FACILITY Odekirk Spring #9-36-8-17 Uintah County, Utah	NAME AND ADDRESS OF OWNER/OPERATOR Inland Production Company 410 17th Street, Suite 700 Denver, Colorado 80202
--	---

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT -- 640 ACRES  	STATE Utah	COUNTY Uintah	PERMIT NUMBER 43-047-33197
	SURFACE LOCATION DESCRIPTION ¼ OF NE ¼ OF SE SECTION 36 TOWNSHIP 8S RANGE 17E		
	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface Location _____ 1938 ft. from (N/S) _____ S _____ Line of quarter section and _____ 639 ft. from (E/W) _____ E _____ Line of quarter section		
	TYPE OF AUTHORIZATION <input checked="" type="checkbox"/> Individual Permit <input type="checkbox"/> Area Permit <input type="checkbox"/> Rule  Number of Wells _____ 1	WELL ACTIVITY <input type="checkbox"/> CLASS I <input checked="" type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input type="checkbox"/> CLASS III	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS	
SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	<input checked="" type="checkbox"/>	The Balance Method
8-5/8"	24	302'	302'	12-1/4"	<input type="checkbox"/>	The Dump Bailer Method
5-1/2"	15.5	5920'	5920'	7-7/8"	<input type="checkbox"/>	The Two-Plug Method
					<input type="checkbox"/>	Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will be Placed (inches)		5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	annulus	
Depth to Bottom of Tubing or Drill Pipe (ft.)		5920'	5920'	5920'	5920'	5920'	5920'	
Sacks of Cement To Be Used (each plug)		30	35	25	15	10	50	
Slurry Volume To Be Pumped (cu. Ft.)								
Calculated Top of Plug (ft.)		5265'	4927'	2000'	242'	surface	surface	
Measured Top of Plug (if tagged ft.)								
Slurry Wt. (Lb./Gal.)		15.8	15.8	15.8	15.8	15.8	15.8	
Type Cement or Other Material (Class III)		Class G						

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
no open holes			

Estimated Cost to Plug Wells \$18,000

**CERTIFICATION**

*I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)*

NAME AND OFFICIAL TITLE (Please type or print) W. T. War Vice President	SIGNATURE 	DATE SIGNED May 5, 2001
---	---------------	----------------------------

# Odekirk Spring #9-36-8-17

Spud Date: 10/05/00  
 Put on Production: 12/06/00  
 GL: 5000' KB: 5010'

Initial Production: 80 BOPD,  
 33 MCFPD, 13 BWPD

Proposed P & A  
 Wellbore Diagram

**SURFACE CASING**

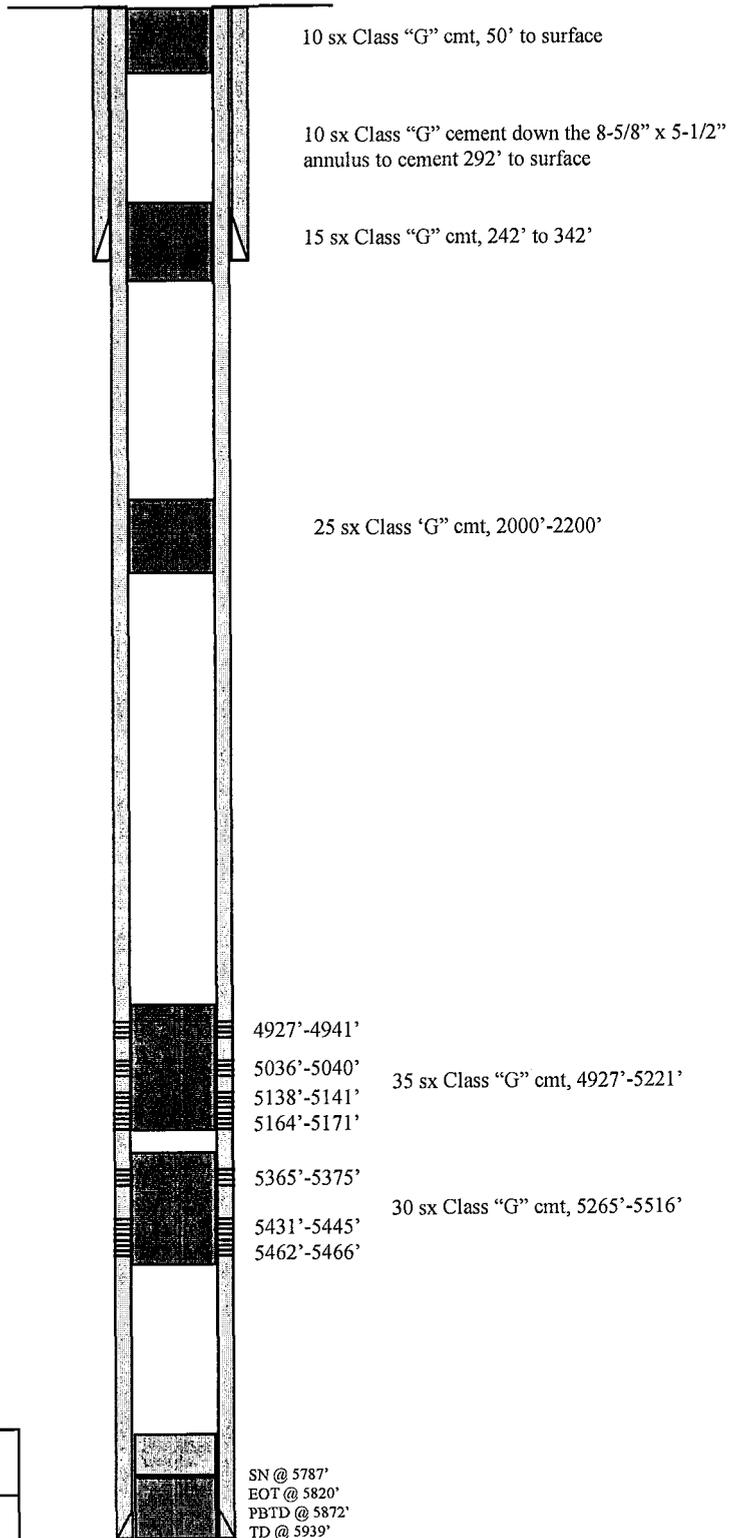
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 302.34' (KB)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class G cmt plus additives

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts.  
 DEPTH LANDED: 5920' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premium lite II & 550 sx 50/50 Poz  
 CEMENT TOP AT: ?'

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55 tbg.  
 NO. OF JOINTS: 177 jts.  
 TUBING ANCHOR: 5722.37' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5819.75' KB  
 SN LANDED AT: 5786.89' KB



**Inland Resources Inc.**  
 Odekirk Spring #9-36-8-17  
 1938 FSL 639 FEL  
 NESE Section 36-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-33197; Lease #ML-44305

SN @ 5787'  
 EOT @ 5820'  
 PBTB @ 5872'  
 TD @ 5939'

ATTACHMENT Q-3

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 251' plug from 5265'-5516' with 30 sxs Class "G" cement.
2. Plug #2 Set 294' plug from 4927'-5221' with 35 sxs Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 25 sxs Class "G" cement.
4. Plug #4 Set 100' plug from 242'-342' with 10 sxs Class "G" cement (50' above and 50' below casing shoe).
5. Plug #5 Set 50' plug from 302' to surface with 10 sxs Class "G" cement.
6. Plug #6 Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement to surface.

**ATTACHMENT R**

**NECESSARY RESOURCES**

**Submit evidence such as a surety bond or financial statement to verify that the resources necessary to close, plug, or abandon the well are available.**

Inland Production Company demonstrates financial responsibility by submitting annually the 10K financial report.



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

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY
OF INLAND PRODUCTION COMPANY	:	ACTION
FOR ADMINISTRATIVE APPROVAL OF	:	
THE JONAH FEDERAL 3-11-9-16, NINE	:	CAUSE NO. UIC- 275
MILE 15-6-9-16, AND WELLS DRAW	:	
FEDERAL 5-5-9-16 WELLS LOCATED IN	:	
SECTIONS 11, 6, AND 5, TOWNSHIP 9	:	
SOUTH, RANGE 16 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH AND THE	:	
ODEKIRK SPRING STATE 9-36-8-17	:	
WELL LOCATED IN SECTION 36	:	
TOWNSHIP 8 SOUTH, RANGE 17 EAST,	:	
S.L.M., UINTAH COUNTY, UTAH AS	:	
CLASS II INJECTION WELLS	:	

---ooOoo---

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 Inland Production Company for administrative approval of the **Jonah Federal 3-11-9-16, Nine Mile 15-6-9-16, and Wells Draw Federal 5-5-9-16 wells**, located in Sections 11, 6, and 5, Township 9 South, Range 16 East, Duchesne County, Utah, and the **Odekirk Spring State 9-36-8-17 well** located in Section 36 Township 8 South, Range 17 East, S.L.M., Uintah County, for conversion to Class II injection wells. These wells are located in the Jonah, West Point, Wells Draw and Odekirk Spring Units respectively. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland 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. 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 15th day of May, 2001.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
for John R. Baza  
Associate Director

**INLAND PRODUCTION COMPANY  
JONAH FEDERAL 3-11-9-16, NINE MILE 15-6-9-16,  
WELLS DRAW FEDERAL 5-5-9-16, and ODEKIRK SPRING STATE 9-36-8-17  
Cause No. UIC- 275**

Publication Notices were sent to the following:

Inland Production Company  
410 Seventeenth St, Suite 700  
Denver, CO 80202

Inland Production Company  
Route #3, Box 3630  
Myton, UT 84052

via Fax (435) 722-4140  
Uintah Basin Standard  
268 S 200 E  
Roosevelt, UT 84066-3109

via E-Mail and Facsimile (801) 237-2776  
Salt Lake Tribune  
PO Box 45838  
Salt Lake City, UT 84145

Ed Bonner  
School & Institutional Trust Lands Administration  
675 E 500 S, Suite 500  
Salt Lake City, UT 84101-2818

Dan Jackson  
US EPA Region VIII, Suite 5000  
999 18th Street  
Denver, CO 80202-2466

Vernal District Office  
Bureau of Land Management  
170 S 500 E  
Vernal, UT 84078

Duchesne County Planning  
PO Box 317  
Duchesne, UT 84066-0317

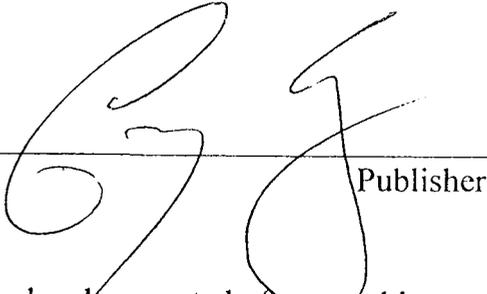
Uintah County Planning  
147 E Main  
Vernal, UT 84078

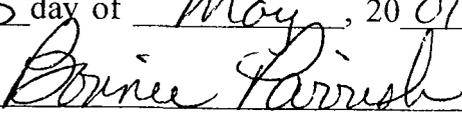
  
\_\_\_\_\_  
Earlene Russell  
Secretary  
May 16, 2001

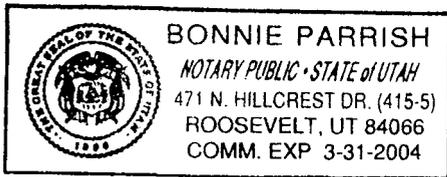
# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 22 day of May, 2001, and that the last publication of such notice was in the issue of such newspaper dated the 22 day of May, 2001.

  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this  
25 day of May, 2001  
  
\_\_\_\_\_  
Notary Public



# NOTICE OF AGENCY ACTION

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

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE JONAH FEDERAL 3 11 9 16, NINE MILE 15 6 9 16, AND WELLS DRAW FEDERAL 5 5 9 16 WELLS LOCATED IN SECTIONS 11, 6, AND 5, TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M., DUCHESNE COUNTY, UTAH AND THE ODEKIRK SPRING STATE 9 36 8 17 WELL LOCATED IN SECTION 36 TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.M., UINTAH COUNTY, UTAH AS CLASS II INJECTION WELLS

CAUSE NO. UIC 275  
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 Inland Production Company for administrative approval of the Jonah Federal 3 11 9 16, Nine Mile 15 6 9 16, and Wells Draw Federal 5 5 9 16 wells, located in Sections 11, 6, and 5, Township 9 South, Range 16 East, Duchesne County, Utah, and the Odekirk Spring State 9 36 8 17 well located in Section 36 Township 8 South, Range 17 East, S.L.M., Uintah County, for conversion to Class II injection wells. These wells are located in the Jonah, West Point, Wells Draw, and Odekirk Spring units, respectively. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland 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. 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 15th day of May, 2001.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/

for John R. Baza  
Associate Director  
Published in the Uintah  
Basin Standard May 22,  
2001.



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 18, 2001

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Odekirk Spring Unit Well: Odekirk Spring 9-36-8-17, Section 36, Township 8 South, Range 17 East, Uintah County, Utah

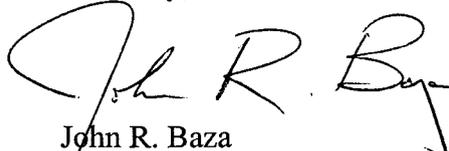
Gentlemen:

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 Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,



John R. Baza  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company      **Well:** Odekirk Spring Federal 9-36-8-17  
**Location:** 36/8S/17E      **API:** 43-047-33197

**Ownership Issues:** The proposed well is located on land administered by the State of Utah (SITLA). The well is located in the Odekirk Spring Unit. Lands in the one-half mile radius of the well are administered by the State of Utah and the BLM. The State of Utah and the BLM are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Odekirk Spring Unit. Inland 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 302 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5920 feet and has a cement top at 675'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4861 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at approximately surface level. Injection shall be limited to the interval between 4927 feet and 5466 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 9-36-8-17 well is .69 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1285 psig. The requested maximum pressure is 1285 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.

**Odekirk Spring Federal 9-36-8-17**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Odekirk Spring Unit on December 6, 2000. 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 State of Utah

**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 Administrative 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): Brad Hill

Date 06/18/2001



July 2, 2001

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

Jonah Unit #4-12-9-16  
Odekirk Springs #9-36-8-16  
Wells Draw #5-32-8-16  
Duchesne County, UT

Dear Ms. Carol Daneils

Enclosed are Well Completion or Recompletion Reports and Log forms (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**

JUL 12 2001

**DIVISION OF  
OIL, GAS AND MINING**

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

**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 \_\_\_\_\_

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

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

At Surface NE SE 1938' FSL 639' FEL

At top prod. Interval reported below

**Revised Report: Revisions in gray  
Changes made to report dated 12/22/00**

At total depth

14. PERMIT NO. 43-047-33197 DATE ISSUED 12/01/98

12. COUNTY OR PARISH UINTAH 13. STATE UT

15. DATE SPUDDED 10/05/00 16. DATE T.D. REACHED 10/17/00 17. DATE COMPL. (Ready to prod.) 11/22/00 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5010' KB 19. ELEV. CASINGHEAD 5000.4

20. TOTAL DEPTH, MD & TVD 5939' 21. PLUG BACK T.D., MD & TVD 5872' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY -----> 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIGI/SPGR TD TO SURFACE CSG CDL/CN/GRICAL TD TO 3000' 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"	24#	302.34'	12-1/4"	155 sx Class "G" cmt	
5-1/2"	15.5#	5920'	7-7/8"	275 sx Class "G" cmt with 155 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						5820'	5722'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(LDC SD) 5431-45', 5462-66'	0.38	72	5431-45, 5462-66'	w/74,361# 20/40 sd 555 bbls fluid
(A3 SD) 5365-75'	0.38	40	5362-75'	
(D2 SD) 4927-41'	0.38	56	4927-41'	w/136,269# 20/40 sd in 387 bbls fluid
(C SDS) 5036-40	0.38	16	5036-40'	
(B1 SDS) 5138-41', 5164-71'	0.38	40	5138-41', 5164-71'	w/31,587# 20/40 sd in 299 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
12/6/00	2-1/2" x 1-1/2" x 16' RHAC Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave				80.3	33.1	12.9	412
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

(D2 SD) 4927-41' Sold & Used for Fuel TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Logs In Item #26

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

SIGNED Kevin S. Weller TITLE Manager of Development Operations DATE 6/18/01

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.

ODEKIRK SPRING 9-36-8-17

38. GEOLOGIC MARKERS

NAME	TOP		TRUE VERT. DEPTH
	MEAS. DEPTH	MEAS. DEPTH	
Garden Gulch Mkr	3914		
Garden Gulch 2	4090		
Point 3 Mkr	4459		
X Mkr	4649		
Y-Mkr	4685		
Douglas Creek Mkr	4852		
BiCarbonate Mkr	5084		
B Limestone Mkr	5221		
Castle Peak	5625		
Basal Carbonate			
Total Depth (LOGGERS)	5951		

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML44305

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ODEKIRK SPRING UNIT

8. WELL NAME and NUMBER:  
ODEKIRK SPRING 9-36-8-17

9. API NUMBER:  
4304733197

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
Newfield Production Company

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1938 FSL 639 FEL COUNTY: Uintah  
 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/SE, 36, T8S, R17E STATE: Utah

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

TYPE OF ACTION

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will <hr/> <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <hr/> 11/16/2004	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well was converted from a producing to an injection well on 11/11/04. The rods and tubing anchor were removed and a packer inserted in bottom hole assembly at 4835'. On 11/10/04 Mr. Dan Jackson w/EPA was notified of the intent to conduct a MIT on the casing. On 11/12/04 the casing was pressured to 1460 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

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

NAME (PLEASE PRINT) Krishna Russell TITLE Production Clerk

SIGNATURE *Krishna Russell* DATE November 16, 2004

(This space for State use only)

**RECEIVED**  
**NOV 17 2004**  
 DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 11 / 12 / 04  
 Test conducted by: BRET HENZIE  
 Others present: \_\_\_\_\_

Well Name: <u>ODEKIRK 9-30-8-17</u>	Type: <input checked="" type="checkbox"/> ER SWD	Status: AC TA UC
Field: <u>ODEKIRK SPRING UNIT</u>		
Location: <u>NE 1 SE</u> Sec: <u>36</u> T <u>8</u> N/S R <u>17</u> E/W County: <u>LINCOLN</u> State: <u>UT</u>		
Operator: <u>NEWFIELD</u>		
Last MIT: <u>— / NA / —</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	260 psig	psig	psig
End of test pressure	260 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1460 psig	psig	psig
5 minutes	1460 psig	psig	psig
10 minutes	1460 psig	psig	psig
15 minutes	1460 psig	psig	psig
20 minutes	1460 psig	psig	psig
25 minutes	1460 psig	psig	psig
30 minutes	1460 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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



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

**RECEIVED**  
**JAN 07 2005**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

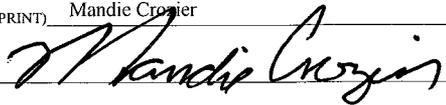
1. TYPE OF WELL:      OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: ML44305	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: DIV. OF OIL, GAS & MINING
2. NAME OF OPERATOR: Newfield Production Company		7. UNIT or CA AGREEMENT NAME: ODEKIRK SPRING UNIT	
3. ADDRESS OF OPERATOR: Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052		PHONE NUMBER: 435.646.3721	8. WELL NAME and NUMBER: ODEKIRK SPRING 9-36-8-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1938 FSL 639 FEL		9. API NUMBER: 4304733197	
OTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SE, 36, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: Monument Butte	
		COUNTY: Uintah	
		STATE: Utah	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  01/05/2005	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Put Well on Injection
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above referenced well was put on injection at 12:00 p.m. on 1/5/05.

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

NAME (PLEASE PRINT) <u>Mandie Crozier</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE 	DATE <u>January 06, 2005</u>

(This space for State use only)

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

**CURRENT OPERATOR**

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

**NEW OPERATOR**

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt*  
Title: *Tech. Services Manager*

Approval Date: 9-20-04

Comments: Note: Indian Country wells will require EPA approval.

(5/2000)

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



## 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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

**CA No.** \_\_\_\_\_ **Unit:** **ODEKIRK SPRING 36**

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ODEKIRK SPRING 4-36-8-17	36	080S	170E	4304732764	13055	State	OW	P
ODEKIRK SPRING 6-36-8-17	36	080S	170E	4304733013	13055	State	OW	P
ODEKIRK SPRING 5-36-8-17	36	080S	170E	4304733014	13055	State	WI	A
ODEKIRK SPRING 3-36-8-17	36	080S	170E	4304733015	13055	State	WI	A
ODEKIRK SPRING 14-36-8-17	36	080S	170E	4304733075	13055	State	OW	P
ODEKIRK SPRING 11-36-8-17	36	080S	170E	4304733077	13055	State	WI	A
ODEKIRK SPRING 7-36-8-17	36	080S	170E	4304733078	13055	State	WI	A
ODEKIRK SPRING 2-36-8-17	36	080S	170E	4304733079	13055	State	OW	P
ODEKIRK SPRING 1-36-8-17	36	080S	170E	4304733195	13055	State	WI	A
ODEKIRK SPRING 8-36-8-17	36	080S	170E	4304733196	13055	State	OW	P
ODEKIRK SPRING 9-36-8-17	36	080S	170E	4304733197	13055	State	WI	A
ODEKIRK SPRING 10-36-8-17	36	080S	170E	4304733198	13055	State	OW	P
ODEKIRK SPRING 15-36-8-17	36	080S	170E	4304733199	13055	State	OW	P
ODEKIRK SPRING 16-36-8-17	36	080S	170E	4304733200	13055	State	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML44305

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ODEKIRK SPRING UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER  Injection well

8. WELL NAME and NUMBER:  
ODEKIRK SPRING 9-36-8-17

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4304733197

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1938 FSL 639 FEL

COUNTY: Uintah

QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/SE, 36, T8S, R17E

STATE: Utah

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

TYPE OF ACTION SubDate

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/23/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

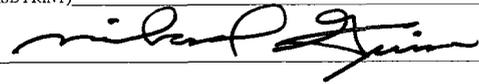
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on June 23, 2005. Results from the test indicate that the fracture gradient is .633 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 975 psi.

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

NAME (PLEASE PRINT) Mike Guinn

TITLE Engineer

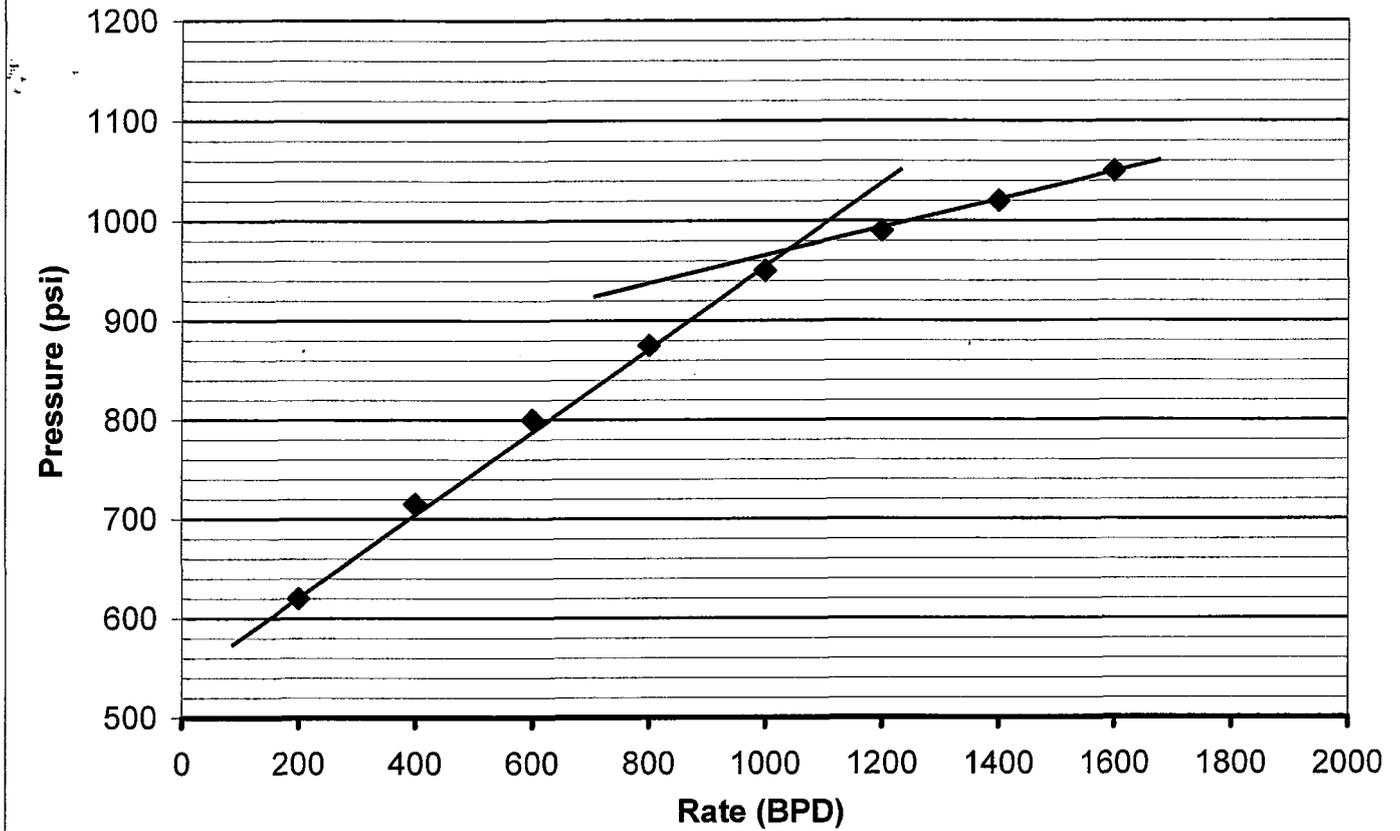
SIGNATURE 

DATE 06/29/2005

(This space for State use only)

**RECEIVED  
JUL 05 2005  
DIV. OF OIL, GAS & MINING**

Odekirk Spring 9-36-8-17  
 Odekirk Spring Unit  
 Step Rate Test  
 June 23, 2005



Start Pressure: 550 psi  
 Instantaneous Shut In Pressure (ISIP): 1030 psi  
 Top Perforation: 4927 feet  
 Fracture pressure (Pfp): 975 psi  
 FG: 0.633 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	200	620
2	400	715
3	600	800
4	800	875
5	1000	950
6	1200	990
7	1400	1020
8	1600	1050

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-44305

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ODEKIRK SPRING UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
ODEKIRK 9-36-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304733197

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1938 FSL 639 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 36, T8S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 09/19/2006	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on August 29, 2006. Results from the test indicate that the fracture gradient is .650 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1060 psi.

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

NAME (PLEASE PRINT) Cheyenne Bateman

TITLE Well Analyst Foreman

SIGNATURE 

DATE 09/19/2006

(This space for State use only)

RECEIVED  
SEP 22 2006  
DIV. OF OIL, GAS & MINING

## Step Rate Test (SRT) Analysis

Date: 09/19/2006

Operator:

Newfield Production Company

Well:

Odekirk Spring 9-36-8-17

Permit #:

UT20919-04632

Enter the following data :

Specific Gravity (sg) of injectate = 1.005 g/cc  
Depth to top perforation (D) = 4927 feet  
Top of permitted injection zone depth (blank=use top perforation to calculate fg) = \_\_\_\_\_ feet  
Estimated Formation Parting Pressure (P<sub>fp</sub>) from SRT chart = 1060 psi  
Instantaneous Shut In Pressure (ISIP) from SRT = 1110 psi  
Bottom Hole Parting Pressure (P<sub>bhp</sub>) from downhole pressure recorder = \_\_\_\_\_ psi

### Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.650 psi/ft.

where: fg = P<sub>bhp</sub> / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) =

D = depth used = 4927

P<sub>bhp</sub> used = 3204

Calculated Bottom Hole Parting Pressure (P<sub>bhp</sub>) = 3204 psi

to calculate Bottom Hole Parting Pressure (P<sub>bhp</sub>) = Formation Fracture Pressure (ISIP or P<sub>fp</sub>) + (0.433 \* SG \* D)

(Uses lesser of ISIP or P<sub>fp</sub>) Value used = 1060

### Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

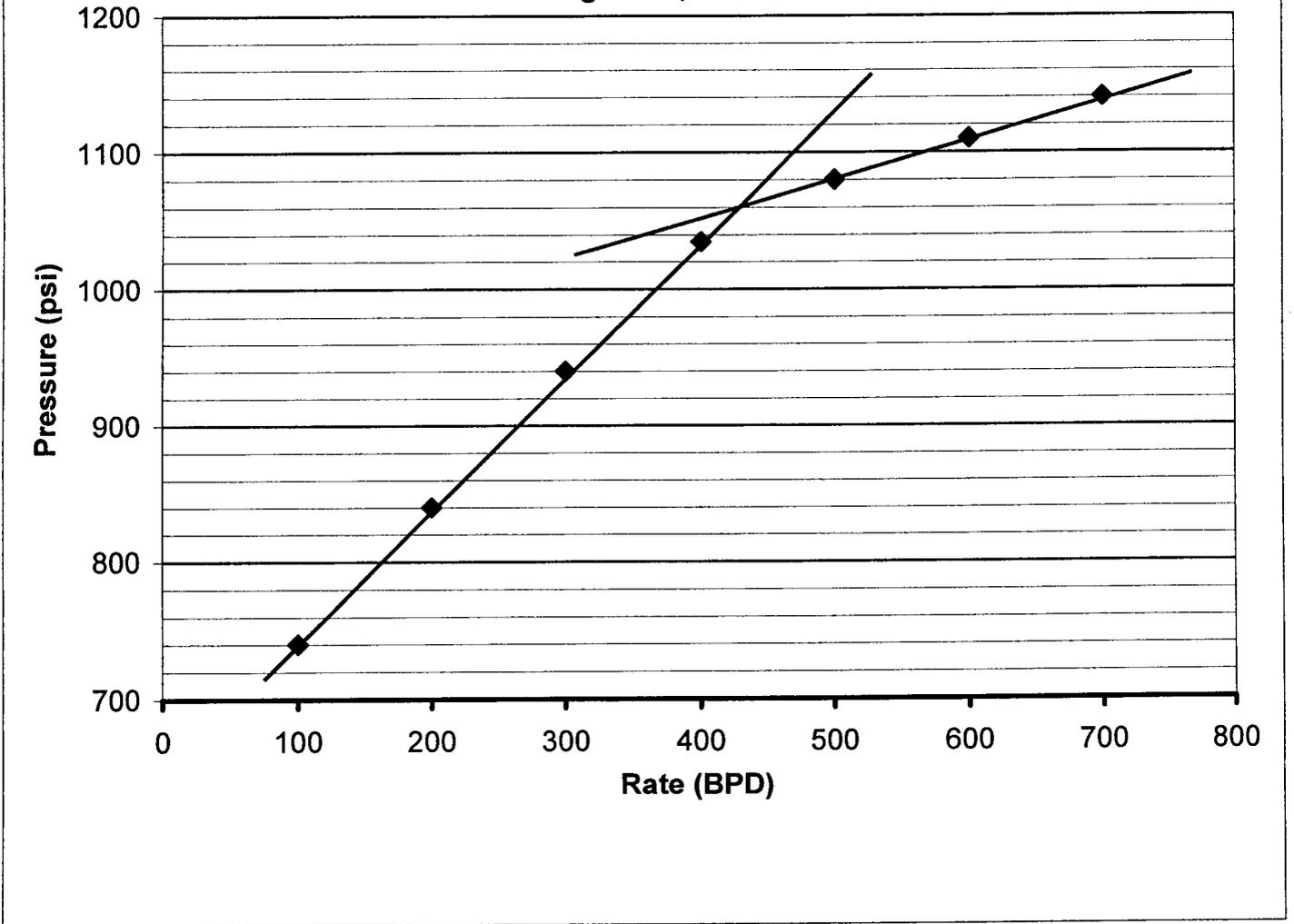
Maximum Allowable Injection Pressure (MAIP) = 1060 psig

D = depth used = 4927

MAIP = [fg \* (0.433 \* SG)] \* D = 1058.492

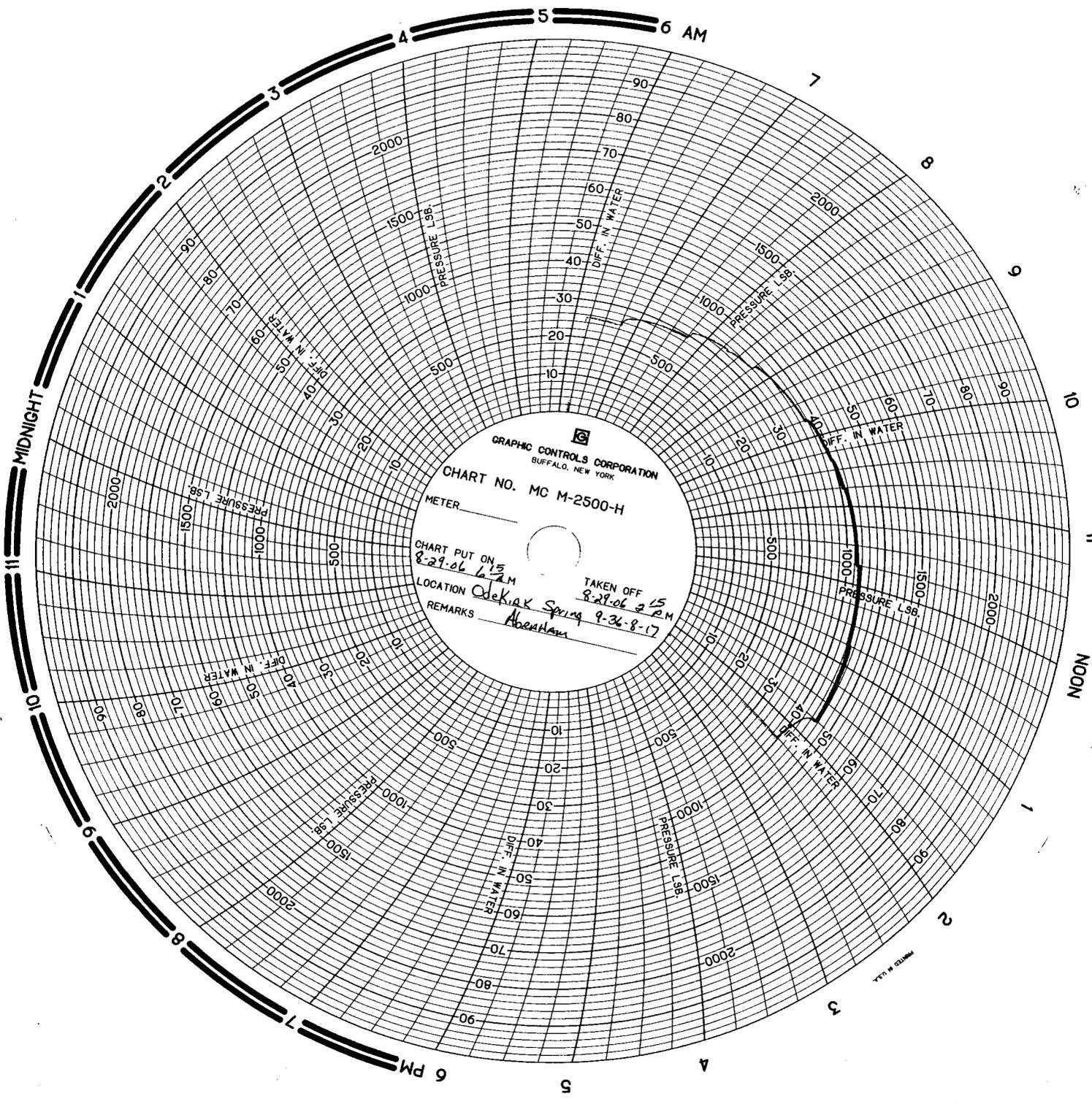
(rounded to nearest 5 psig)

Odekirk Spring 9-36-8-17  
 Odekirk Spring Unit  
 Step Rate Test  
 August 29, 2006



Start Pressure: 635 psi  
 Instantaneous Shut In Pressure (ISIP): 1110 psi  
 Top Perforation: 4927 feet  
 Fracture pressure (Pfp): 1060 psi  
 FG: 0.650 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	740
2	200	840
3	300	940
4	400	1035
5	500	1080
6	600	1110
7	700	1140



MADE IN U.S.A.

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTAH STATE ML-44305

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ODEKIRK SPRING UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
ODEKIRK SPRING 9-36-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304733197

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052  
PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1938 FSL 639 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 36, T8S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/22/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

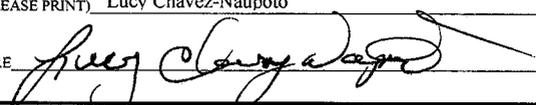
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 8-25-09 Nathan Wisner with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 8-26-09. On 9-22-09 the casing was pressured up to 1380 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 895 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20919-04632 API# 43-047-33197

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Production Tech

SIGNATURE 

DATE 09/25/2009

(This space for State use only)

**RECEIVED  
SEP 28 2009  
DIV. OF OIL, GAS & MINING**

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 09/22/09  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Odetank Spring 9-36-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Odetank Spring Unit</u>		
Location: _____	Sec: <u>36 T 8 N 15 R 17 E W</u>	County: <u>Uintah</u> State: <u>UT</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1060</u>	PSIG

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No If Yes, rate: 33 bpd

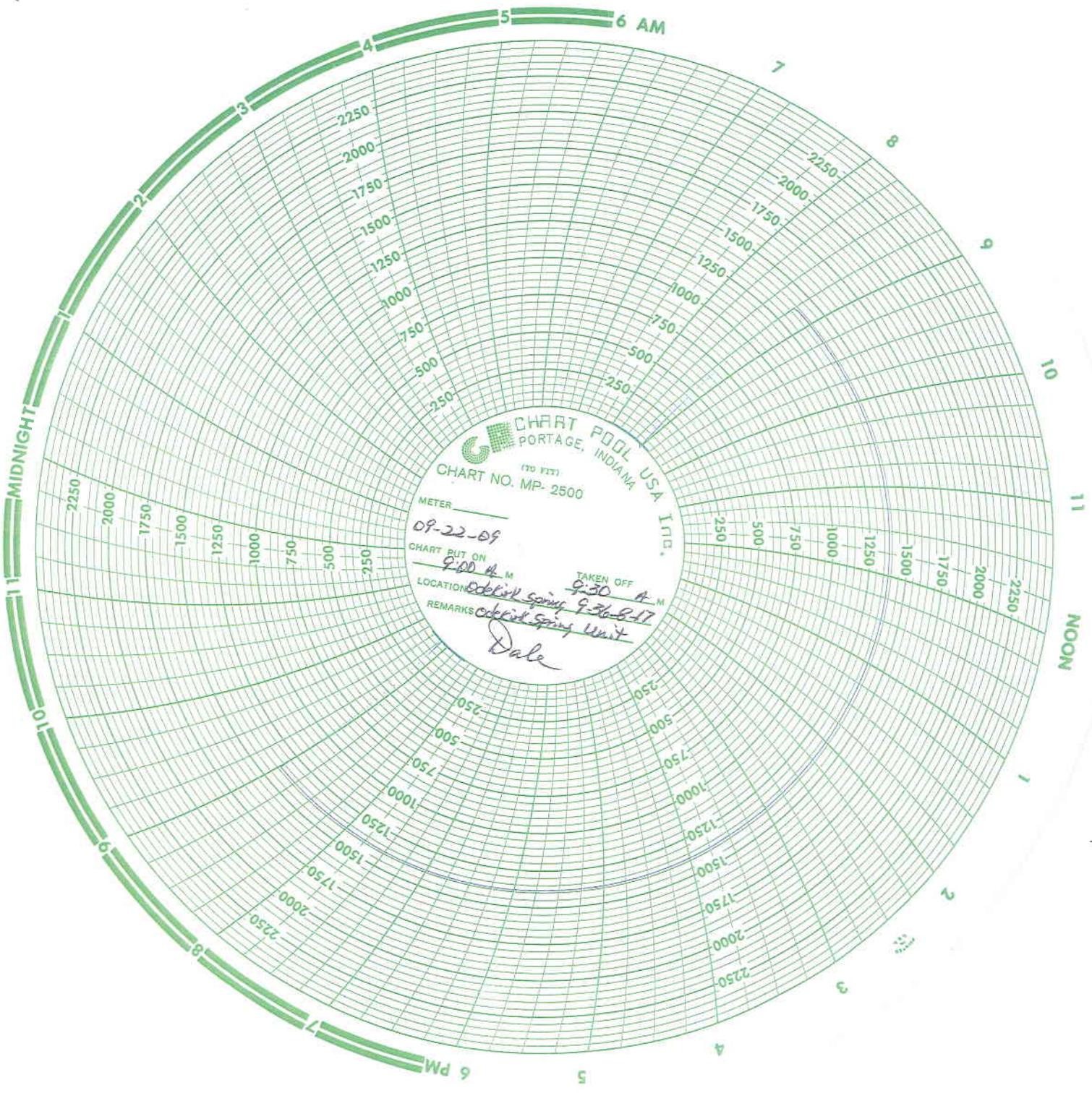
Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1		Test #2		Test #3	
<b>TUBING</b>	<b>PRESSURE</b>					
Initial Pressure	<u>895</u>	psig		psig		psig
End of test pressure	<u>895</u>	psig		psig		psig
<b>CASING / TUBING</b>	<b>ANNULUS</b>		<b>PRESSURE</b>			
0 minutes	<u>1380</u>	psig		psig		psig
5 minutes	<u>1380</u>	psig		psig		psig
10 minutes	<u>1380</u>	psig		psig		psig
15 minutes	<u>1380</u>	psig		psig		psig
20 minutes	<u>1380</u>	psig		psig		psig
25 minutes	<u>1380</u>	psig		psig		psig
30 minutes	<u>1380</u>	psig		psig		psig
_____ minutes		psig		psig		psig
_____ minutes		psig		psig		psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?  Yes  No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:



**CHART POOL USA LTD.**  
PORTAGE, INDIANA  
(70 FT)  
CHART NO. MP-2500

METER \_\_\_\_\_  
CHART PUT ON 09-22-09  
9:00 A.M.  
TAKEN OFF 9:30 A.M.  
LOCATION Oakliff Spring  
REMARKS Oakliff Spring Unit  
Dale

<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> ML-44305
		<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> ODEKIRK SPRING 9-36-8-17
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43047331970000
<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> 1938 FSL 0639 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 36 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<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: 8/20/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 08/20/2014 the casing was pressured up to 1502 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1186 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04632

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 04, 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> 8/21/2014	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 8/20/14  
 Test conducted by: Chris Walters  
 Others present: \_\_\_\_\_

Well Name: <u>Ode Kirk Spring 9-36-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GMBU</u>		
Location: <u>NE/SE</u> Sec: <u>36</u> T: <u>8</u> N10 R: <u>17</u> W County: <u>Uintah</u> State: <u>UT</u>		
Operator: <u>NFX</u>		
Last MIT: <u>1 1</u>	Maximum Allowable Pressure: <u>1250</u>	PSIG

Is this a regularly scheduled test?  Yes [ ] No  
 Initial test for permit? [ ] Yes [ ] No  
 Test after well rework? [ ] Yes [ ] No  
 Well injecting during test?  Yes [ ] No      If Yes, rate: 49 bpd

Pre-test casing/tubing annulus pressure: 1502 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1186</u> psig	psig	psig
End of test pressure	<u>1186</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1502</u> psig	psig	psig
5 minutes	<u>1503</u> psig	psig	psig
10 minutes	<u>1504</u> psig	psig	psig
15 minutes	<u>1503</u> psig	psig	psig
20 minutes	<u>1503</u> psig	psig	psig
25 minutes	<u>1503</u> psig	psig	psig
30 minutes	<u>1502</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

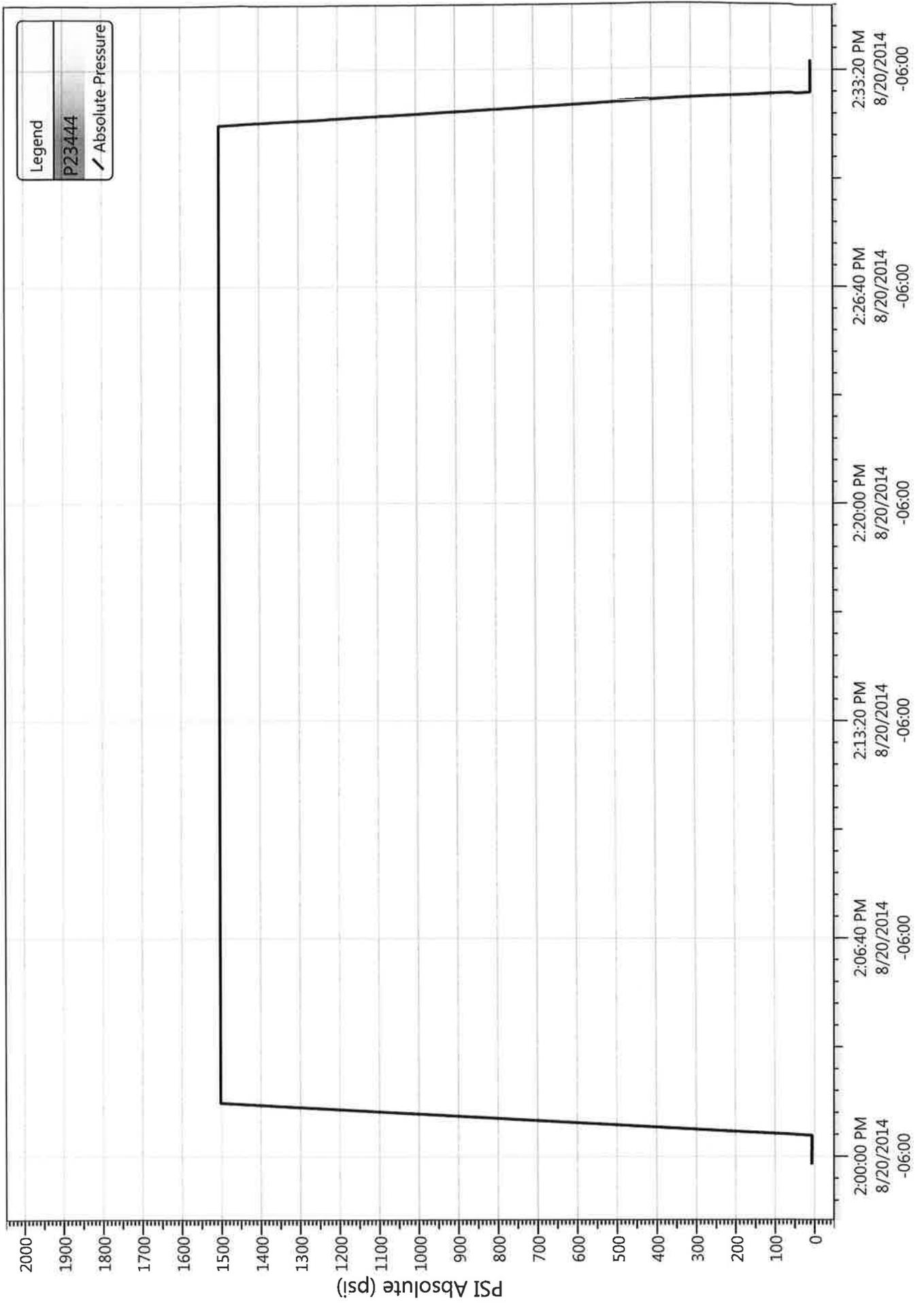
Does the annulus pressure build back up after the test? [ ] Yes  No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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

Odekirk Spring 9-36-8-17 5-yr MIT  
8/20/2014 1:59:09 PM



# Odekirk Spring #9-36-8-17

Spud Date: 10/05/00  
 Put on Production: 12/06/00  
 GI: 5000' KB 5010'

Initial Production: 80 BOPD,  
 33 MCFPD, 13 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 5-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (296.04)  
 DEPTH LANDED: 302.34' (KB)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class C cnt. est. 6 bbls to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5924.09)  
 DEPTH LANDED: 5920.09' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Premium lite II & 550 sxs 50/50 Poz.  
 CEMENT TOP AT: 650'

### TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/1.55 tbg  
 NO. OF JOINTS: 154 jts. (4820.59')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4830.59' KB  
 PACKER AT: 4835'  
 TOTAL STRING LENGTH EOT @ 4839.07' w/10' KB

### FRAC JOB

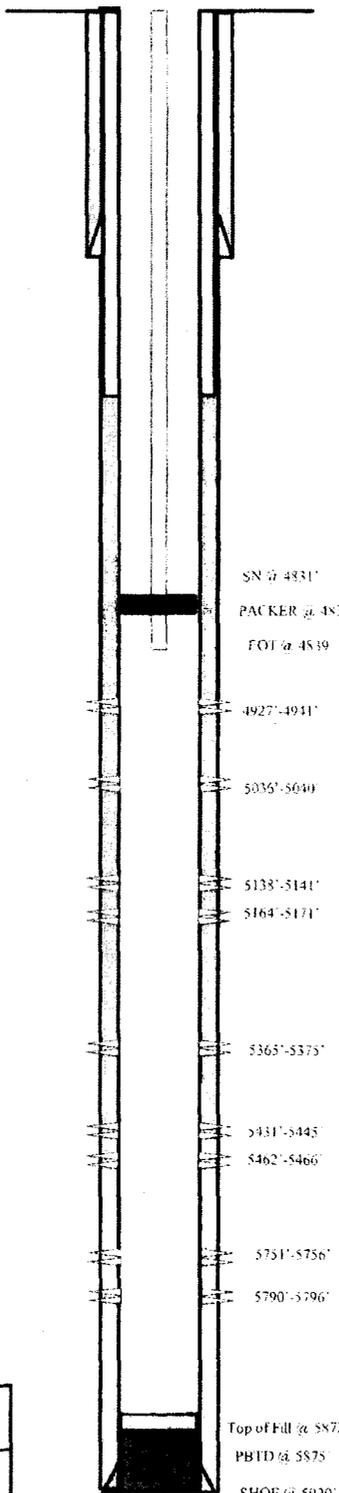
11/16/00 5365'-5466' Frac A/LDC sds w/74,361# 20/40 sand in 555 bbls Viking 1-25 fluid. Perfs broke @ 2765 psi @ 15 BPM. Avg press of 1800 psi w/avg rate of 31.6 BPM. ISIP 2000#. Start inimed, flowback on 12/64" choke flowed 3 hrs & died. Rec. 155 BTF. SIFN.

11/16/00 5751'-5796' Frac CP sds w/45,463# 20/40 sand in 377 bbls Viking 1-25 fluid. Perfs broke @ 2765 psi @ 15 BPM. Avg press of 2000 psi w/avg rate of 26.6 BPM. ISIP 1865#. SIFN.

11/17/00 4927'-5040' Frac D.C sds w/36,269# of 20/40 sand in 387 bbls Viking 1-25 fluid. Perfs broke @ 4400 psi. Treated @ avg press of 1600 psi w/avg rate of 29 BPM. ISIP 1900 psi. Flowback inimed on 12/64" choke @ 1 BPM. Flowed 170 BTF. SIFN.

11/17/00 5138'-5171' Frac B1 sds w/31,587# 20/40 sand in 299 bbls Viking 1-25 fluid. Treated at avg press of 1400 psi, w/avg rate of 29.2 BPM. ISIP 1300 psi, 5 min 1070 psi. Left pressure on well.

11/2/04 Tubing Leak. Update rod and tubing details  
 11/11/04 Injection Conversion  
 01/05/05 Put on Injection  
 06/23/05 Step Rate test  
 09/19/06 Step Rate Test performed  
 9-22-09 5 Year MIT Completed



### PERFORATION RECORD

11/16/00 5751'-5756' 4 ISPF 20 holes  
 11/16/00 5790'-5796' 4 ISPF 24 holes  
 11/16/00 5462'-5466' 4 ISPF 16 holes  
 11/16/00 5431'-5445' 4 ISPF 56 holes  
 11/16/00 5365'-5375' 4 ISPF 40 holes  
 11/17/00 5164'-5171' 4 ISPF 28 holes  
 11/17/00 5138'-5141' 4 ISPF 9 holes  
 11/17/00 5036'-5040' 4 ISPF 16 holes  
 11/17/00 4927'-4941' 4 ISPF 56 holes

**NEWFIELD**

**Odekirk Spring #9-36-8-17**

1938 FSL 639 FEL  
 NE/SE Section 36-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-33197; Lease #ML-44305