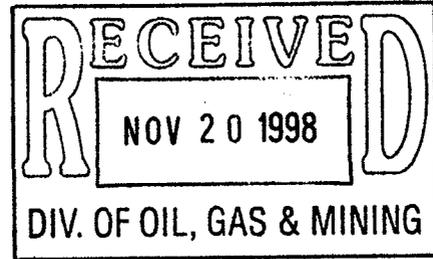






November 17, 1998

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: S. Wells Draw #5-2-9-16  
SW/NW Sec. 2, T9S, R16E  
Duchesne County, Utah**

**S. Wells Draw #11-2-9-16  
NE/SW Sec. 2, T9S R16E  
Duchesne County, Utah**

**S. Wells Draw #12-2-9-16  
NW/SW Sec. 2, T9S, R16E  
Duchesne County, Utah**

**S. Wells Draw #13-2-9-16  
SW/SW Sec. 2, T9S, R16E  
Duchesne County, Utah**

**S. Wells Draw #14-2-9-16  
SE/SW Sec. 2, T9S, R16E  
Duchesne County, Utah**

Dear Lisha,

Enclosed are the originals and two (2) copies each of the Application For Permit To Drill, for the above referenced locations. Included is a copy of the Cultural Resource Evaluation.

You may contact me at (435) 789-1866 in order to schedule an onsite date or Brad Mecham in the Pleasant Valley Field Office (435) 646-3721.

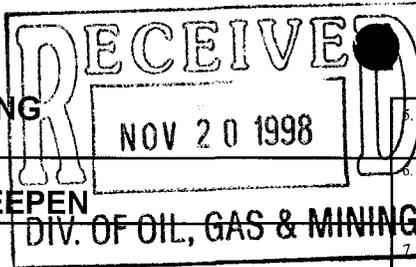
Please do not hesitate to call me if you have any questions, or need additional information.

Sincerely,

  
Cheryl Cameron  
Regulatory Specialist

cc: Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



5. LEASE DESIGNATION AND SERIAL NO.  
**ML-21839**  
6. INDIAN, ALLOTTEE OR TRIBE NAME

**APPLICATION FOR PERMIT TO DRILL, DEEPEN**

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

7. UNIT AGREEMENT NAME

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

8. FARM OR LEASE NAME  
**S. Wells Draw**

2. NAME OF OPERATOR  
**Inland Production Company**

9. WELL NO.  
**#13-2-9-16**

3. ADDRESS AND TELEPHONE NUMBER:  
**P.O. Box 790233 Vernal, UT 84079** Phone: **(435) 789-1866**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

4. LOCATION OF WELL (FOOTAGE)  
At Surface **SW/SW**  
At proposed Producing Zone **695.5' FSL & 644.1' FWL**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SW/SW**  
**Sec. 2, T9S, R16E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**14.3** **196**  
**16.3 Miles southwest of Myton, Utah**

12. County **Duchesne** 13. STATE **UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**644.1'**

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.

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5562.8' GR**

22. APPROX. DATE WORK WILL START\*  
**1st Quarter 1999**

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 H<sub>2</sub>O Req: 6.4 gal/sk

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

Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H<sub>2</sub>O Req: 18.08 gal/sk

Tail: Premium Plus Thixotropic

Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 gal/sk

24. Name & Signature *Cheryl Cameron* Title: **Regulatory Specialist** Date: **11/16/98**  
**Cheryl Cameron**

(This space for State use only)

API Number Assigned: 43-013-32127 APPROVAL: \_\_\_\_\_

Approved by the  
Utah Division of  
Oil, Gas and Mining

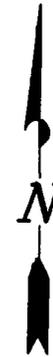
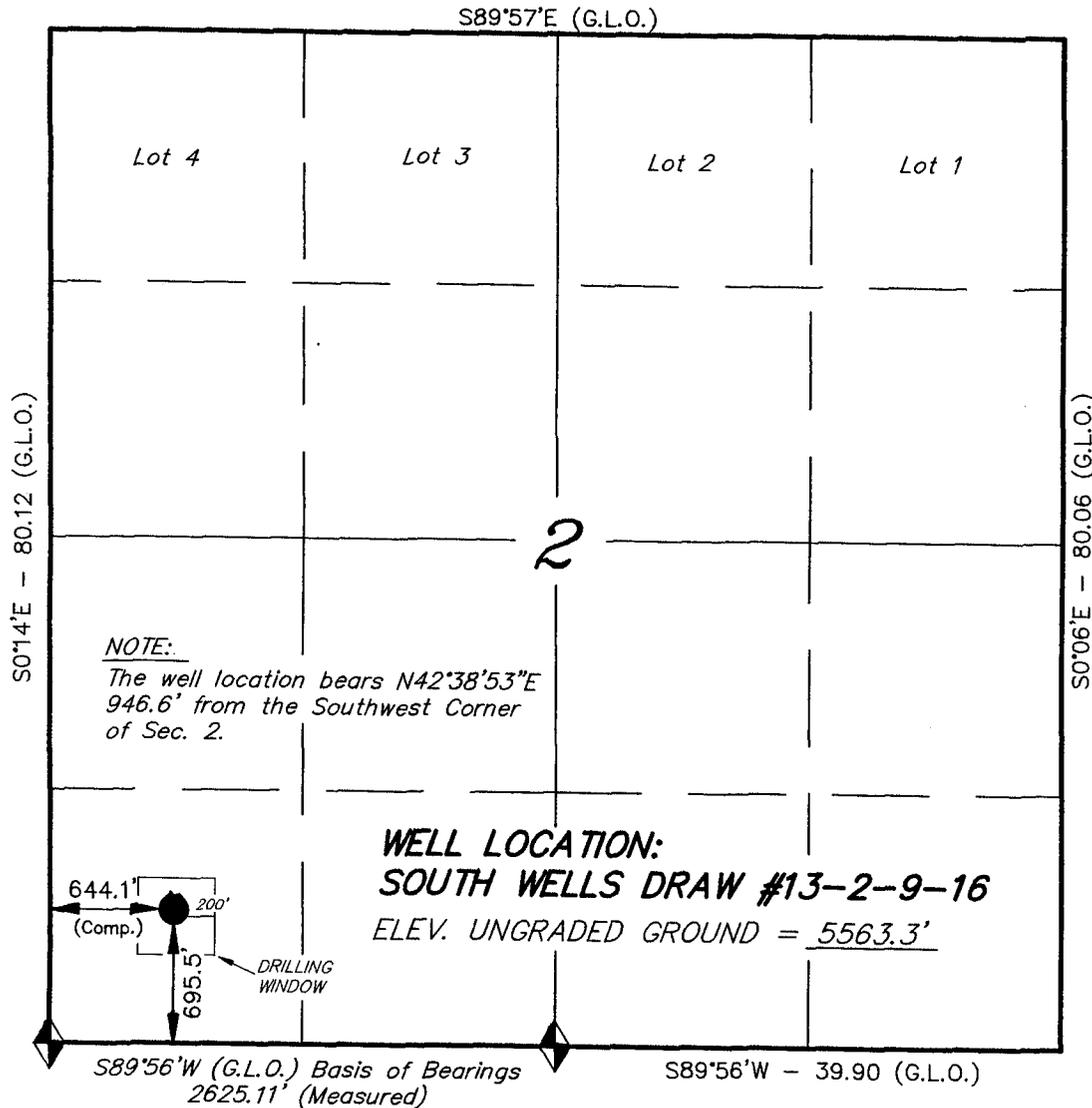
Date: 11/16/98  
By: [Signature]

\*See Instructions On Reverse Side

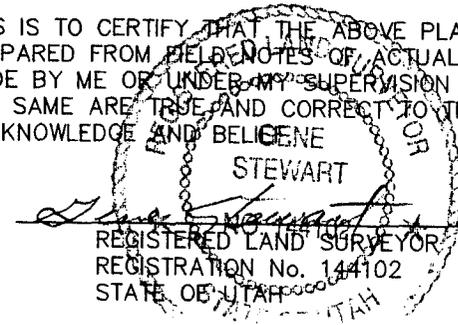
T9S, R16E, S.L.B.&M.

**INLAND PRODUCTION COMPANY**

WELL LOCATION, SOUTH WELLS DRAW  
#13-2-9-16, LOCATED AS SHOWN IN THE  
SW 1/4 SW 1/4 OF SECTION 2, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

**TRI STATE LAND SURVEYING & CONSULTING**

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

SCALE: 1" = 1000'

SURVEYED BY: G.S.

DATE: 10-31-98

WEATHER: FAIR

NOTES:

FILE #

**INLAND PRODUCTION COMPANY  
S. WELLS DRAW #13-2-9-16  
SW/SW SECTION 2, T9S, R16E  
DUCHESNE 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' - 1500'
Green River	1500'
Wasatch	6500'

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

Green River Formation 1500' - 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 first quarter of 1999, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
S. WELLS DRAW #13-2-9-16  
SW/SW SECTION 2, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site S. Wells Draw #13-2-9-16 located in the SW ¼ SW ¼ Section 2, T9S, R16E, S.L.B. & M. Uintah County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 10.9 miles to its junction with an existing dirt road to the southwest; proceed southwesterly along this road - 3.8 miles to the beginning of the proposed location.

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**

No access road is necessary.  
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**

Inland Production Company has purchased a 3" water connection with Johnson Water District (a public water source) 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 S. Wells Draw #13-2-9-16. 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), or other taps which may be installed on Inland's water system in the future. The system being tapped will have prior approval by the AO. 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 north between stakes 4 & 5.

The stockpiled topsoil (first six (6) inches) will be stored on the east between stakes 6 & 8.

Access to the well pad will be from the south near stake #1.

**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 S. Wells Draw #13-2-9-16, 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 S. Wells Draw #13-2-9-16 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 (435) 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: (435) 789-1866

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #13-2-9-16 Section 2, Township 9S, Range 16E: Lease #ML-21839 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.

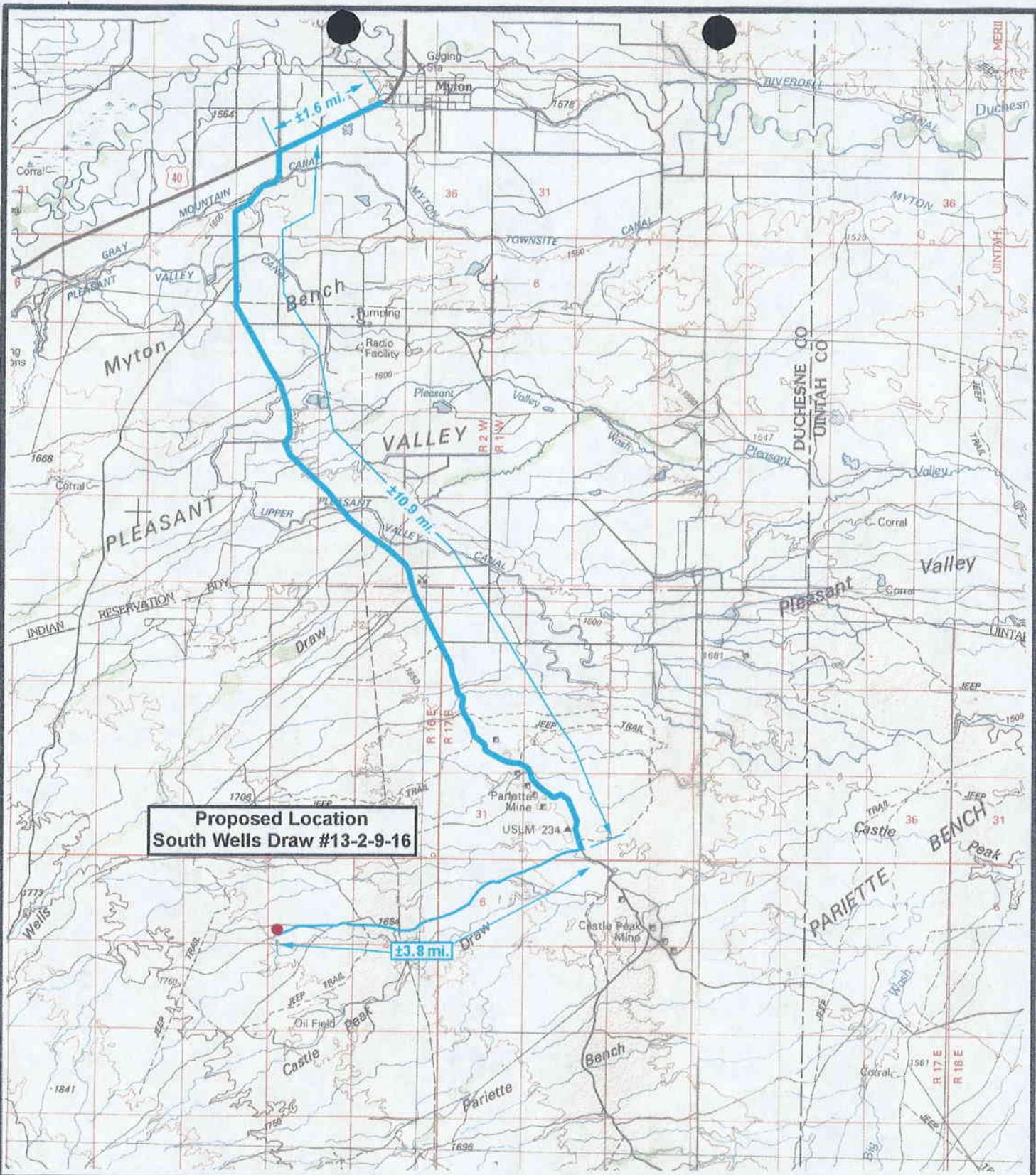
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be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

11/16/98

Date



Cheryl Cameron  
Regulatory Specialist



**Proposed Location  
South Wells Draw #13-2-9-16**



RESOURCES INC.

**SOUTH WELLS DRAW #13-2-9-16  
SEC. 2, T9S, R16E, S.L.B.&M.  
TOPOGRAPHIC MAP "A"**



Drawn By: SS

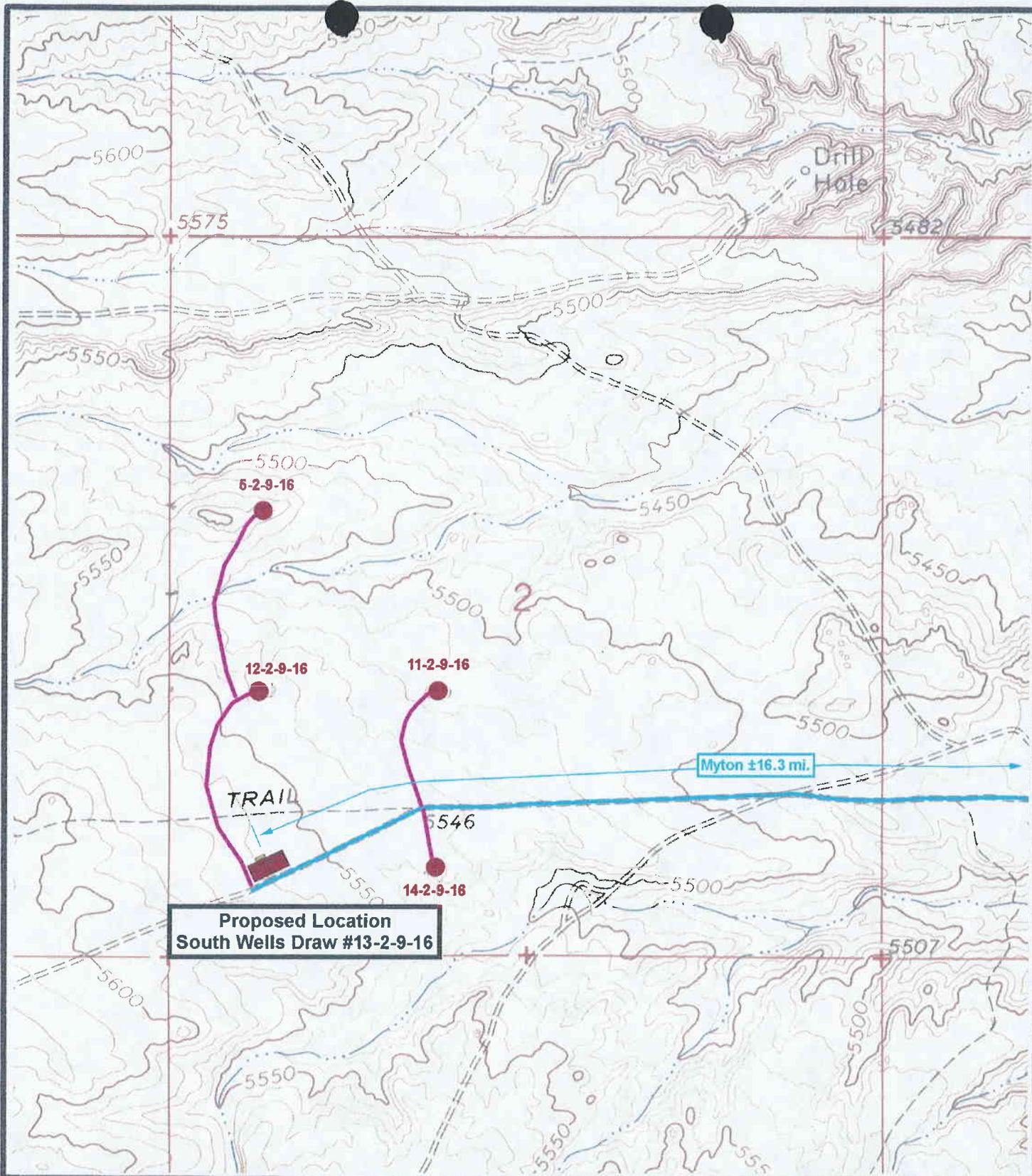
Revision:

Scale: 1 : 100,000

File:

Date: 10/30/98

**Tri-State Land Surveying Inc.  
P.O. Box 533, Vernal, UT 84078  
435-781-2501 Fax 434-781-2518**



**Proposed Location  
South Wells Draw #13-2-9-16**



**SOUTH WELLS DRAW #13-2-9-16  
SEC. 2, T9S, R16E, S.L.B.&M.  
TOPOGRAPHIC MAP "B"**



Drawn By: SS

Revision:

Scale: 1" = 1000'

File:

Date: 10/30/98

**Tri-State Land Surveying Inc.  
P.O. Box 533, Vernal, UT 84078  
435-781-2501 Fax 434-781-2518**





# INLAND PRODUCTION COMPANY

**SOUTH WELLS DRAW #13-2-9-16  
SEC. 2, T9S, R16E, S.L.B.&M.**

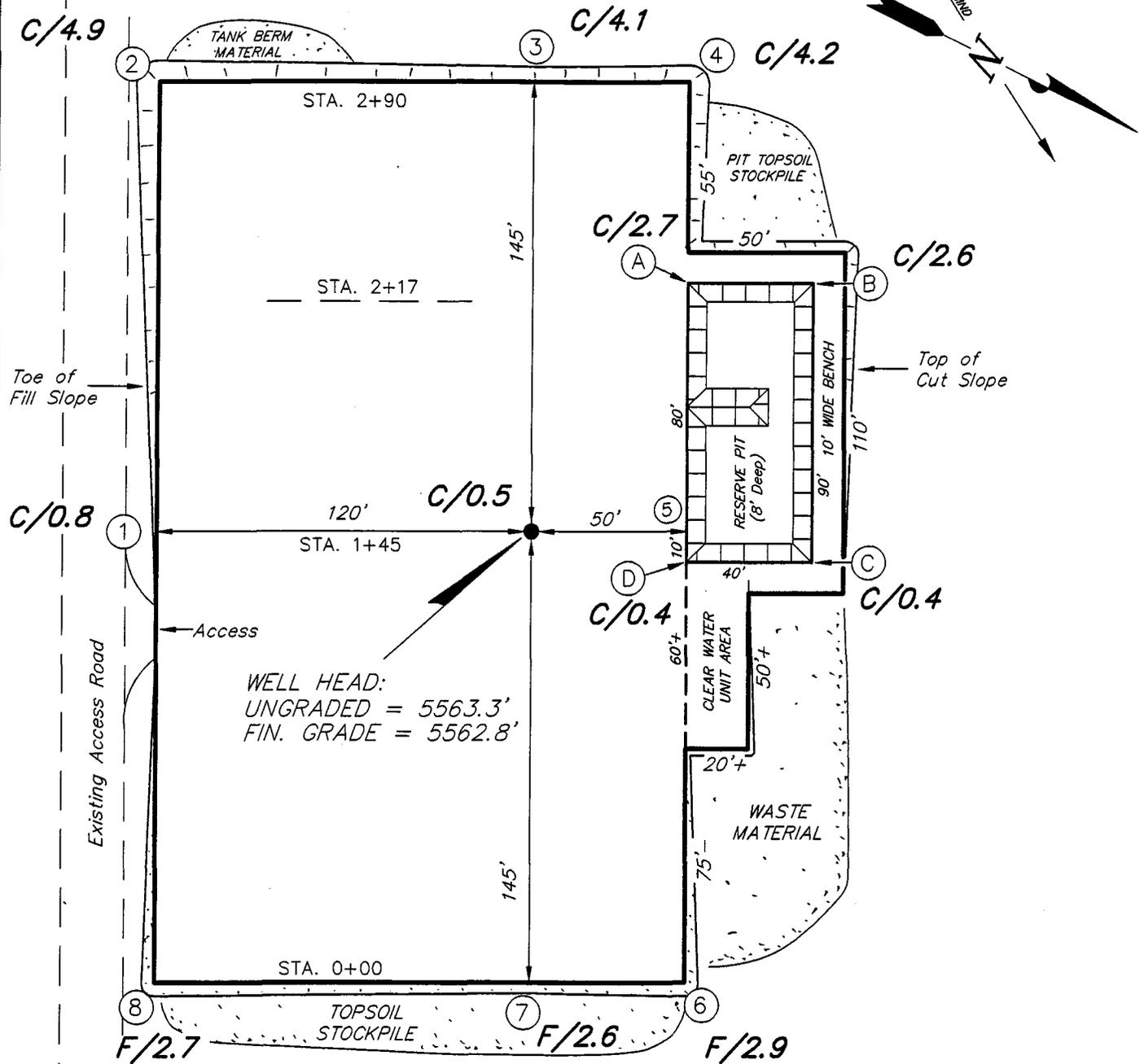


EXHIBIT "E"

**REFERENCE POINTS**

- 170' SOUTH = 5564.3'
- 200' SOUTH = 5564.6'
- 195' WEST = 5568.1'
- 235' WEST = 5569.0'

SURVEYED BY:	G.S.
DRAWN BY:	J.R.S.
DATE:	10-31-98
SCALE:	1" = 50'
REVISIONS:	


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

CROSS SECTIONS

*SOUTH WELLS DRAW #13-2-9-16*

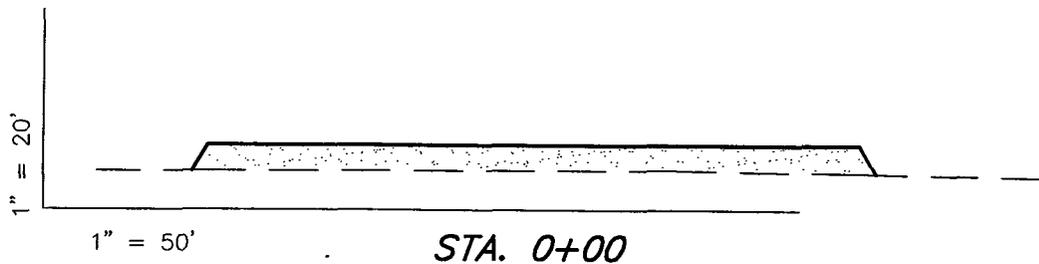
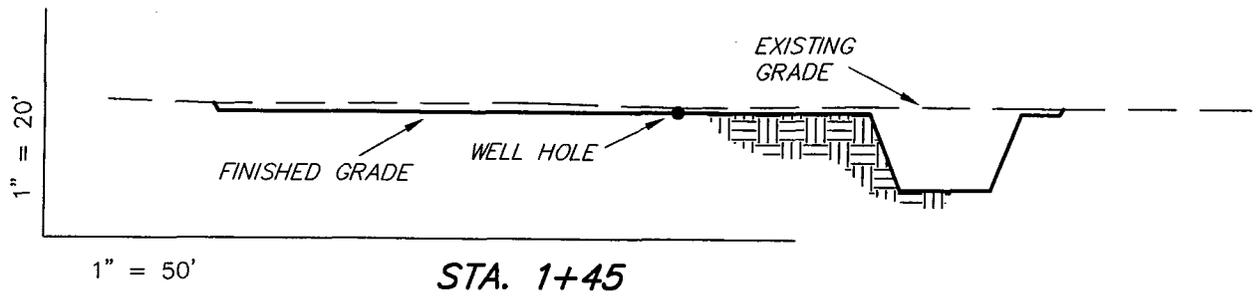
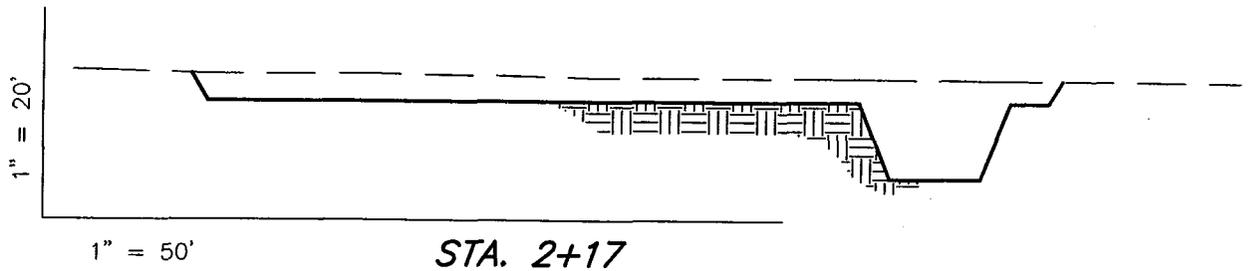
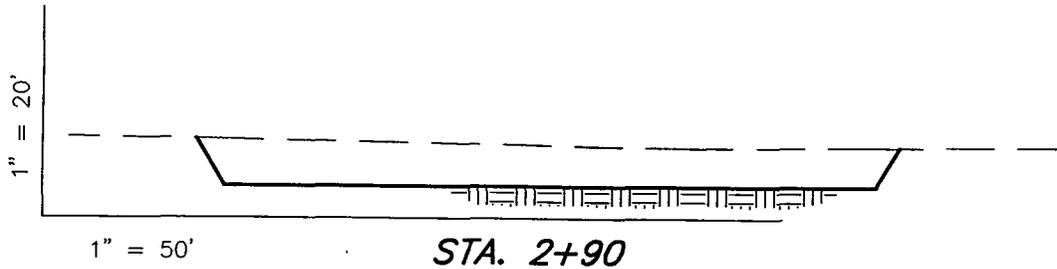


EXHIBIT "E-1"

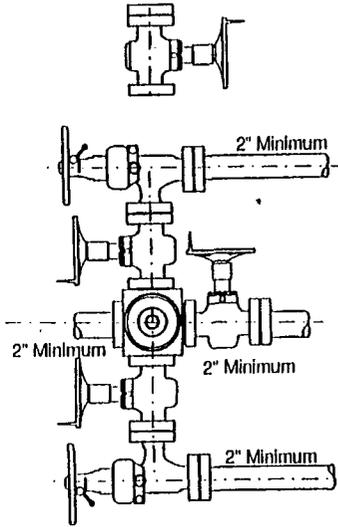
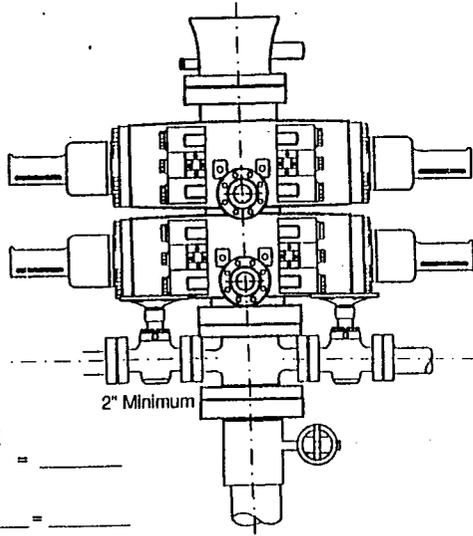
APPROXIMATE YARDAGES

- CUT = 2,060 Cu. Yds.
- FILL = 1,360 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

### 2-M SYSTEM

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



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: 11/20/98

API NO. ASSIGNED: 43-013-32127

WELL NAME: S WELLS DRAW 13-2-9-16  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)  
 CONTACT: ~~Cheryl Cameron (435) 789-1866~~ Brad Mechem (435) 646-3721

PROPOSED LOCATION:  
 SWSW 02 - T09S - R16E  
 SURFACE: 0696-FSL-0644-FWL  
 BOTTOM: 0696-FSL-0644-FWL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering	<i>RLC</i>	1-6-00
Geology		
Surface		

LEASE TYPE: STA  
 LEASE NUMBER: ML-21839  
 SURFACE OWNER: State

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Federal  State  Fee   
 (No. RN 4471291)

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

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

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

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

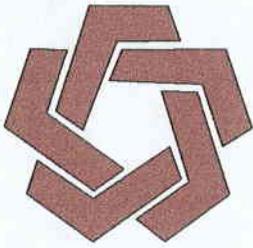
R649-3-2. General

R649-3-3. Exception

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

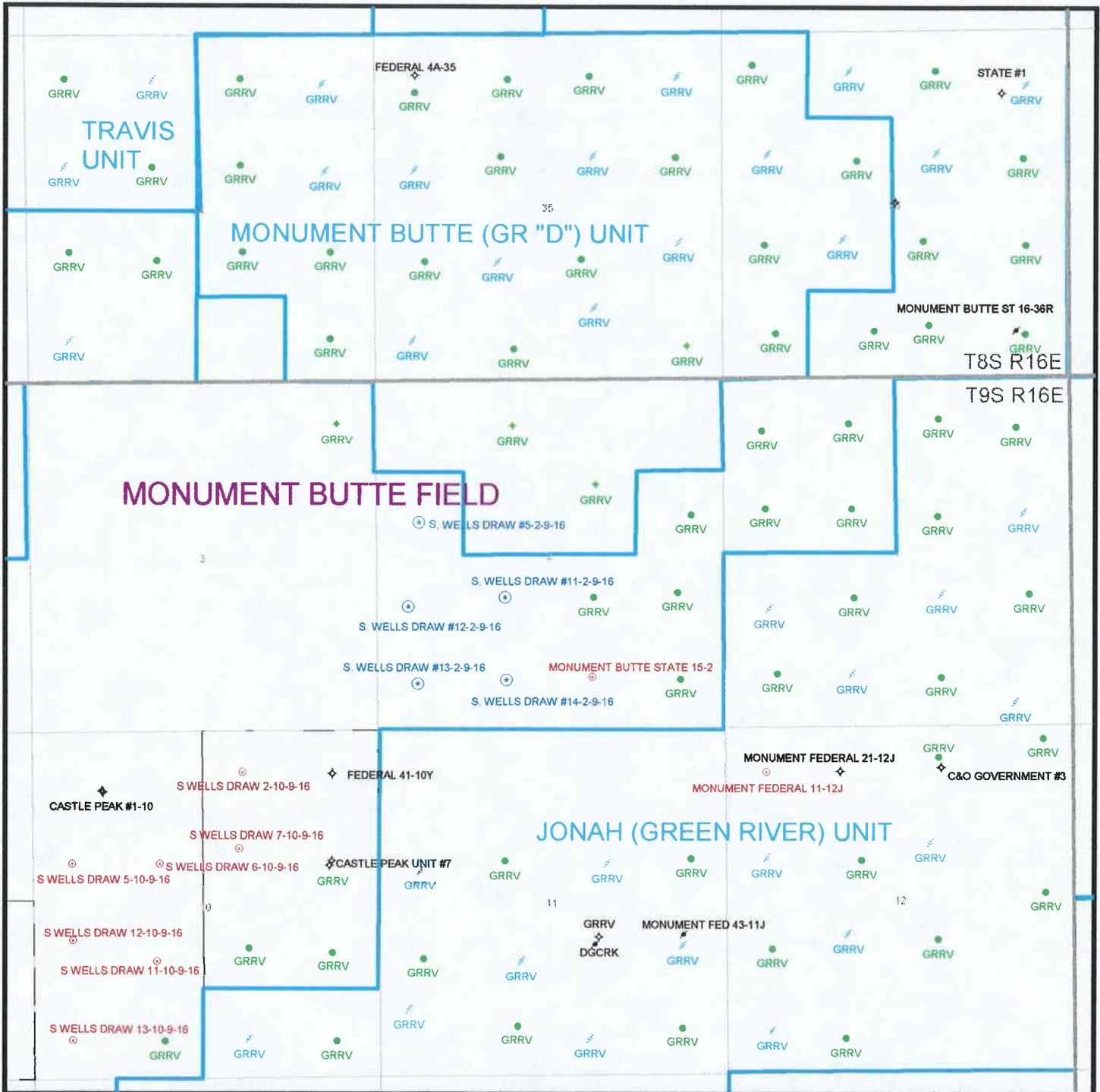
COMMENTS: \* Need Presite. (Conducted 12-2-99)

STIPULATIONS: ① STATEMENT OF BASIS



DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION COMPANY (N5610)  
FIELD: MONUMENT BUTTE (105)  
SEC. 2, TWP 9S, RNG 16E  
COUNTY: DUCHESNE UNIT: NONE



DATE PREPARED:  
23-NOV-1998

1-7-00  
lc

Well name:	<b>1-00 Inland SWD 13-2-9-16</b>		
Operator:	<b>Inland</b>	Project ID:	43-013-32127
String type:	Production		
Location:	Duchesne Co.		

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

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

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.433 psi/ft  
 Calculated BHP 2,813 psi

**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.

No backup mud specified.

Tension is based on buoyed weight.

Neutral point: 5,681 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 (ft <sup>3</sup> )
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	2813	4040	1.44	2813	4812	1.71	88	217	2.46 J

Prepared RJK  
 by: Utah Dept. of Natural Resources

Date: January 6,2000  
 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 8.33 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:

**1-00 Inland SWD 13-2-9-16**Operator: **Inland**  
String type: **Surface**Project ID:  
43-013-32127Location: **Duchesne Co.****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: 79 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 0 ft

**Burst**Max anticipated surface  
pressure: -2,573 psi  
Internal gradient: 9.018 psi/ft  
Calculated BHP 131 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)Tension is based on buoyed weight.  
Neutral point: 262 ft

Non-directional string.

**Re subsequent strings:**Next setting depth: 300 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 131 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 300 ft  
Injection pressure 300 psi

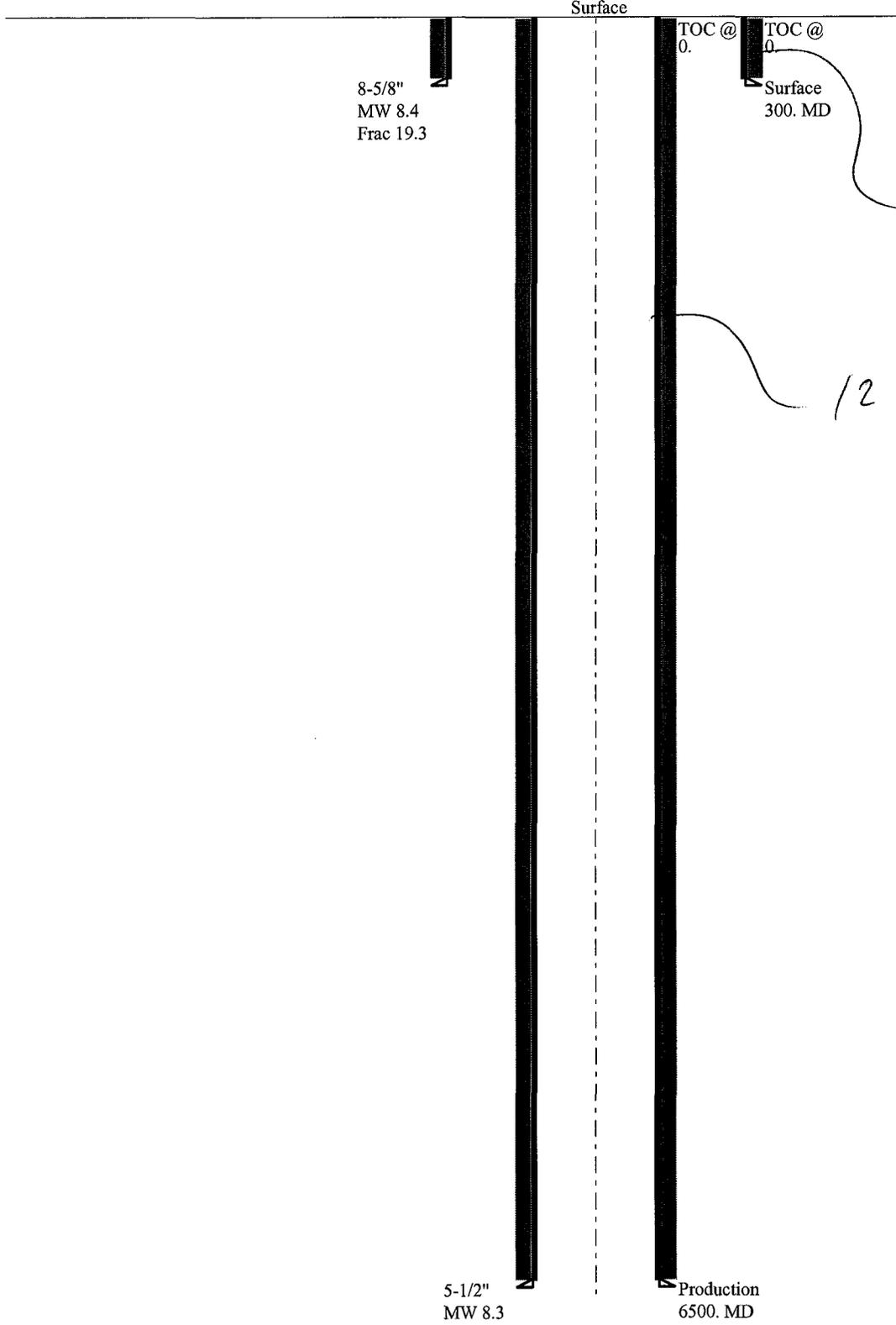
Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	131	1370	10.47	131	2950	22.55	6	244	38.80 J

Prepared RJK  
by: Utah Dept. of Natural ResourcesDate: January 6,2000  
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.*

1-00 Inland SWD 13-2-9-

Casing Schematic

*Cement tops  
w/ — 0%  
hole washout*



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

**Operator Name:** INLAND PRODUCTION COMPANY  
**Name & Number:** S. WELLS DRAW #13-2-9-16  
**API Number:** 43-013-32127  
**Location:** 1/4, 1/4 SW/SW Sec. 2 T. 9S R. 16E

**Geology/Ground Water:**

The base of moderately saline water is at a depth of approximately 300 to 400 feet at this location. The near surface geology of this area consists of interbedded sandstones and shales of the Uinta Formation. These sands are generally discontinuous and lenticular and not subject to direct recharge. They generally do not constitute an extensive reservoir. The proposed casing and cement program should adequately protect any potential underground sources of water.

**Reviewer:** Dan Jarvis

**Date:** 01-04-2000

**Surface:**

The presite investigation was performed on December 2, 1999 by DOGM representatives. An invitation to the presite meeting was provided to the Northeastern office of Division of Wildlife Resources and State lands (SITLA). Neither agency attended the onsite meeting; however, DWR was provided legal coordination of location to determine whether any T&E species were in question. Well site is a legal location and was moved north to avoid existing road.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Reviewer:** DENNIS L. INGRAM

**Date:** DECEMBER 2, 1999

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

1. No pit liner is required; however, if operator used salt water to kill or stabilize a gas kick all contaminated fluids shall remain in steel tanks and be trucked to approved disposal site.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: INLAND PRODUCTION COMPANY

WELL NAME & NUMBER: S. WELLS DRAW #13-2-9-16

API NUMBER: 43-013-32127

LEASE: ML-21839 FIELD/UNIT: MONUMENT BUTTE

LOCATION: 1/4, 1/4 SW/SW Sec: 2 TWP: 9S RNG: 16E 695.5' FSL 644.1' FWL

LEGAL WELL SITING: Statewide 400 foot window in center of 40 acre tract and no closer than 920 feet from another well; or Board Spaced area requiring  
Setback and From another well.

GPS COORD (UTM): 12 577286E; 4434203N

SURFACE OWNER: STATE LANDS (SITLA)

PARTICIPANTS

JOHN HOLST (INLAND); BRAD MECHAM (INLAND); DAVID HACKFORD (HACKFORD); DENNIS L. INGRAM (DOGM)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Well site proposed approximately 2.5 miles east of Wells Draw and On center of flat east/west ridge along north side of main access road.

SURFACE USE PLAN

CURRENT SURFACE USE: Sheep and cattle grazing with wildlife use.

PROPOSED SURFACE DISTURBANCE: 290'x 220' and access from south existing road.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS data base.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production Facilities shall be on location.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill or borrowed.

ANCILLARY FACILITIES: None proposed.

WASTE MANAGEMENT PLAN:

See attached Methods of Handling Waste Disposal, page 3, item #7 on Application for Permit to Drill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Native grasses, shadscale, sage, saltbrush, greasewood, prickley pear, antelope, coyote, deer, mountain lion, rodents, etc.

SOIL TYPE AND CHARACTERISTICS: Light tan, fine grained sandy loam

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation.

EROSION/SEDIMENTATION/STABILITY: Minor erosion, some sedimentation, No stability problems anticipated.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: 80'x 40'x 8' deep on north side of location in cut.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points

SURFACE RESTORATION/RECLAMATION PLAN

As required by state lands (SITLA).

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: An archaeology survey was done by A.E.R.C. Bountiful Utah and submitted by Inland to DOGM.

OTHER OBSERVATIONS/COMMENTS

ATTACHMENTS: Photos, pit ranking, statement of basis.

DENNIS L. INGRAM  
DOGM REPRESENTATIVE

12/02/99  
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>0</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 II Sensitivity)</b>		<u>15 points</u>

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: INLAND PRODUCTION COMPANY

WELL NAME & NUMBER: S. WELLS DRAW #13-2-9-16

API NUMBER: 43-013-32127

LEASE: ML-21839 FIELD/UNIT: MONUMENT BUTTE

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SURFACE OWNER: STATE LANDS (SITLA)

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JOHN HOLST (INLAND); BRAD MECHAM (INLAND); DAVID HACKFORD (HACKFORD); DENNIS L. INGRAM (DOGM)

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LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production Facilities shall be on location.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill or borrowed.

ANCILLARY FACILITIES: None proposed.

WASTE MANAGEMENT PLAN:

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ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Native grasses, shadscale, sage, saltbrush, greasewood, prickley pear, antelope, coyote, deer, mountain lion, rodents, etc.

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SURFACE AGREEMENT: Yes

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OTHER OBSERVATIONS/COMMENTS

ATTACHMENTS: Photos, pit ranking, statement of basis.

DENNIS L. INGRAM  
DOGM REPRESENTATIVE

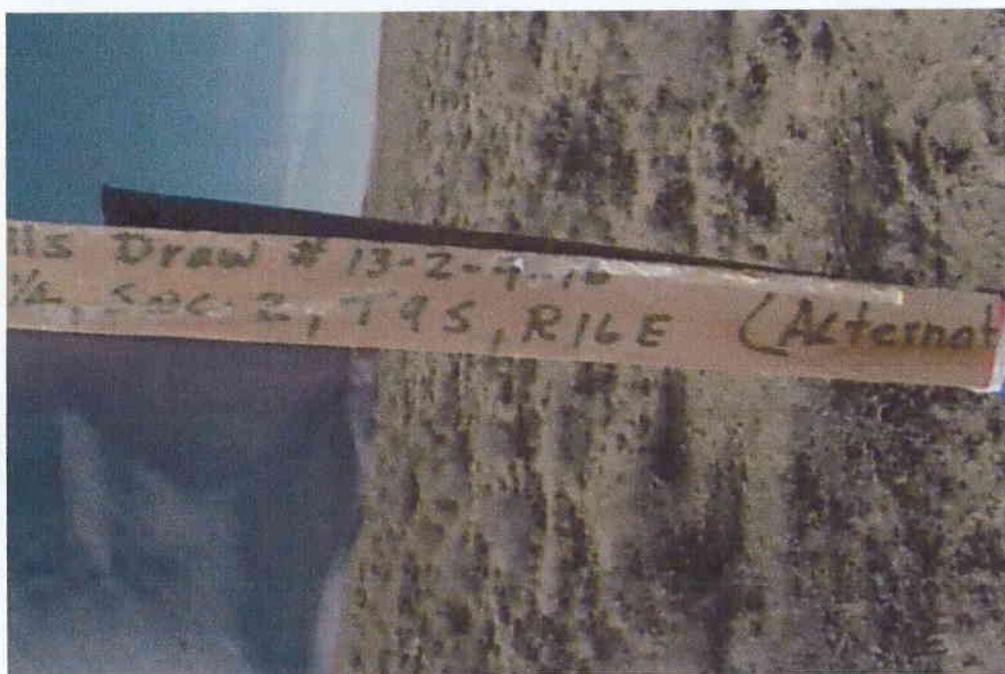
12/02/99  
DATE/TIME

**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>
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>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>0</u>
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>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</b> (Level II Sensitivity)		 <u>15 points</u>

Inland 13-2-9-16







RECEIVED

DEC 20 1999

DIVISION OF OIL, GAS & MINING

December 16, 1999

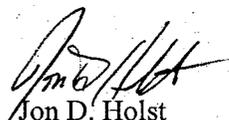
Ms. Lisha Cordova  
Utah Division of Oil Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

**RE: Archeological Reports for Inland Resources Proposed Well Locations: South Wells Draw 11-2-9-16, South Wells Draw 12-2-9-16, South Wells Draw 13-2-9-16, South Wells Draw 14-2-9-16, Castle Draw 9-2-2-17, Castle Draw 15-2-9-17, Castle Draw 16-2-9-17.**

Dear Lisha:

Please find enclosed the Archeological Reports for the above-referenced proposed well locations. Feel free to give me a call if you have any questions or need additional information.

Respectfully,



Jon D. Holst  
Counsel

Enc.

# CULTURAL RESOURCE EVALUATION OF 16 PROPOSED INLAND UNITS IN THE SOUTH WELLS DRAW -- CASTLE PEAK DRAW -- PARIETTE BENCH LOCALITIES OF UINTAH & DUCHESNE COUNTIES, UTAH

Report Prepared for Inland Resources, Inc.

Units 6-10(9-16), 13-10(9-16), 7-36(8-17), 11-36(8-17), 1-35(8-17), 7-35(8-17), 9-35(8-17)  
9-2(9-17), 15-2(9-17), 16-2(9-17), 1-11(9-17), 2-11(9-17), 3-11(9-17), 6-11(9-17), 7-11(9-17),  
& 8-11(9-17)

Department of Interior Permit No.: UT-98-54937

Utah State Project No.: UT-98-AF-0166bs

AERC Project 1597 (CNG98-3B)

Author of the Report:

F. Richard Hauck



## ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668

FAX: (801) 292-0614

E-mail: [ari@xmission.com](mailto:ari@xmission.com) Web page: [www.ari-aerc.org](http://www.ari-aerc.org)

April 20, 1998

## Abstract

An intensive cultural resource examination has been conducted for Inland Resources, Inc. of 16 potential well pad locations (6-10, 13-10, 7-36, 11-36, 1-35, 7-35, 9-35, 9-2, 15-2, 16-2, 1-11, 2-11, 3-11, 6-11, 7-11, 8-11), additional bulk acreage in Sections 2 & 11 (Township 9 South, Range 17 East), and associated access routes all situated in the South Wells Draw Unit and Pariette Bench -- Castle Peak Draw localities of Duchesne and Uintah Counties, Utah (see Maps 1 through 5). The purpose of this report is to detail the result of these evaluations, portions of which were conducted at earlier dates. A total of 873.33 acres was examined for cultural resource presence. This acreage includes 855 acres of parcel and bulk area survey and 18.33 acres of 100 foot-wide access route corridors. Eleven of the proposed development areas associated with these well locations are situated on federal lands (756.4 acres) administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining five locations (116.93 acres) are situated on Utah State lands.

Field examinations were conducted between March 17 and April 9, 1998. AERC archaeologists Brian Mueller, Marcel Corbeil, Kris Kunkel, Alan Hutchinson, Stance Hurst, Richard Francisco, Tammy Gibson, and Christy Gobber conducted the field survey program under the direction of Glade Hadden, and/or F.R. Hauck.

Sites 42DC 1146 and 42DC 1148 are situated in the proximity of Units 6-10 and 13-10 in Section 10 of Township 9 South, Range 16 East. Sites 42Un 1330, 42UN 2528, 42UN 2529, and 42Un 2530 are situated in the proximity of Units 16-2 and 1-11 in Sections 2 and 11 of Township 9 South, Range 17 East; these six cultural resources will not be endangered by the development of these well locations, however, the access route into Unit 1-11 will need to be carefully designed to avoid nearby cultural resource sites 42UN 2528, 42UN 2529, and 42UN 1330.

In addition, construction on Unit 1-11 should be restricted to the south side of the drainage that forms the southern and eastern periphery of Site 42UN 1330 in order to facilitate the preservation of that resource situated on the northeastern periphery of Section 11, Township 9 South, Range 17 East.

Sites 42UN 2526 and 42UN 2527 are respectively adjacent to Units 11-36 and 7-36 in Section 36, Township 8 South, Range 17 East. Site 42UN 2526 is a significant, open occupation and avoidance by moving the pad's staked location 100 feet to the southwest is recommended to ensure site preservation. AERC also recommends that the northern and eastern peripheries of the relocated well pad be fenced to facilitate the continued preservation of the site from random vehicle traffic originating on the well pad location. Site 42UN 2527 is not considered to be a significant resource; it has neither depth potential nor contextual integrity, and thus lacks potential for inclusion on the National Register of Historic Places. AERC does not recommend avoidance of this cultural locus.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by well location development and access/pipeline route corridor development within the acreage cleared and reported within this document with adherence to these recommendations.

AERC recommends project clearance based on adherence to the stipulations noted above and repeated in the final section of this report.

# Table of Contents

	page
Abstract . . . . .	ii
Table of Contents . . . . .	iii
List of Maps of the Project Area . . . . .	iv
List of Figures . . . . .	v
General Information . . . . .	1
Project Location . . . . .	1
Environmental Description . . . . .	8
Previous Research in the Locality . . . . .	8
File Search . . . . .	8
Prehistory and History of the Project Area . . . . .	9
Site Potential in the Project Development Zone . . . . .	9
Field Evaluations . . . . .	10
Methodology . . . . .	10
Site Significance Criteria . . . . .	10
Results of the Inventory . . . . .	11
Site 42DC 1146 . . . . .	11
Site 42DC 1148 . . . . .	11
Site 42UN 2526 . . . . .	12
Site 42UN 2527 . . . . .	12
Site 42UN 2528 . . . . .	12
Site 42UN 2529 . . . . .	17
Site 42UN 2530 . . . . .	17
Site 42UN 2531 . . . . .	21
Site 42UN 1330 . . . . .	21
Isolated Artifacts . . . . .	21
Conclusion and Recommendations . . . . .	25
References . . . . .	26

## List of Maps

	page
Map 1: Project Area for the Inland 1998 Development Program . . . . .	2
Map 2: Cultural Resource Survey of Inland Units 6-10 & 13-10 in the South Wells Draw Unit of Duchesne County, Utah . . . . .	3
Map 3: Cultural Resource Survey of Inland Units 6-10 & 13-10 in the South Wells Draw Unit of Duchesne County, Utah <i>(This map shows bulk area survey associations accomplished by AERC during the winter of 1997-98 [c.f., Hauck and Hadden 1997])</i> . . . . .	4
Map 4: Cultural Resource Survey of Inland Units 7-36, 11-36, 1-35, 7-35, & 9-35 in the Pariette Bench Locality of Uintah County, Utah . . . . .	5
Map 5: Cultural Resource Survey of Inland Units 9-2, 15-2, 16-2, 1-11, 2-11, 3-11, 6-11, 7-11, & 8-11 in the Castle Peak Draw Locality of Uintah County, Utah . . . . .	6
Map 5: Site Map for Site 42DC 1146 . . . . .	13
Map 6: Site Map for Site 42DC 1148 . . . . .	14
Map 7: Site Map for Site 42UN 2526 . . . . .	15
Map 8: Site Map for Site 42UN 2527 . . . . .	16
Map 9: Site Map for Site 42UN 2528 . . . . .	18
Map 10: Site Map for Site 42UN 2529 . . . . .	19
Map 11: Site Map for Site 42UN 2530 . . . . .	20
Map 12: Site Map for Site 42UN 2531 . . . . .	22

## List of Figures

	page
Figure 1: Side-notch Projectile Point Recovered from 42DC 1146 . . . . .	23
Figure 2: Goshen (Plainview) Style PaleoIndian Projectile Point Recovered from 42UN 2530 (fs-1229) . . . . .	23
Figure 3: Knife Recovered from 42UN 2530 (fs-1181) . . . . .	23
Figure 4: Isolate 1597F/x1 . . . . .	24
Figure 5: Isolate 1597K/x3 . . . . .	24

## GENERAL INFORMATION

From March 17 through April 9, 1998, AERC archaeologists Brian Mueller, Marcel Corbeil, Kris Kunkel, Alan Hutchinson, Stance Hurst, Richard Francisco, Tammy Gibson, and Christy Gobber under the direction of Glade Hadden and/or F.R. Hauck, conducted intensive cultural resource evaluations of 16 proposed well locations (6-10, 13-10, 7-36, 11-36, 1-35, 7-35, 9-35, 9-2, 15-2, 16-2, 1-11, 2-11, 3-11, 6-11, 7-11, 8-11), additional bulk acreage in Sections 2 & 11 (Township 9 South, Range 17 East), and associated access routes all situated in the South Wells Draw Unit and Pariette Bench -- Castle Peak Draw localities of Duchesne and Uintah Counties, Utah (see Maps 1 through 5). A total of 873.33 acres was examined for cultural resource presence.

Eleven of the proposed development areas (756.4 acres) associated with these survey locations are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining five locations (7-36, 11-36, 9-2, 15-2, and 16-2 are situated on Utah State land (116.93 acres).

The purpose of this field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf. Title 36 CFR 60.6). The future development of these proposed well locations and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management, and to the Utah State Antiquities Section, Division of State History.

### Project Location

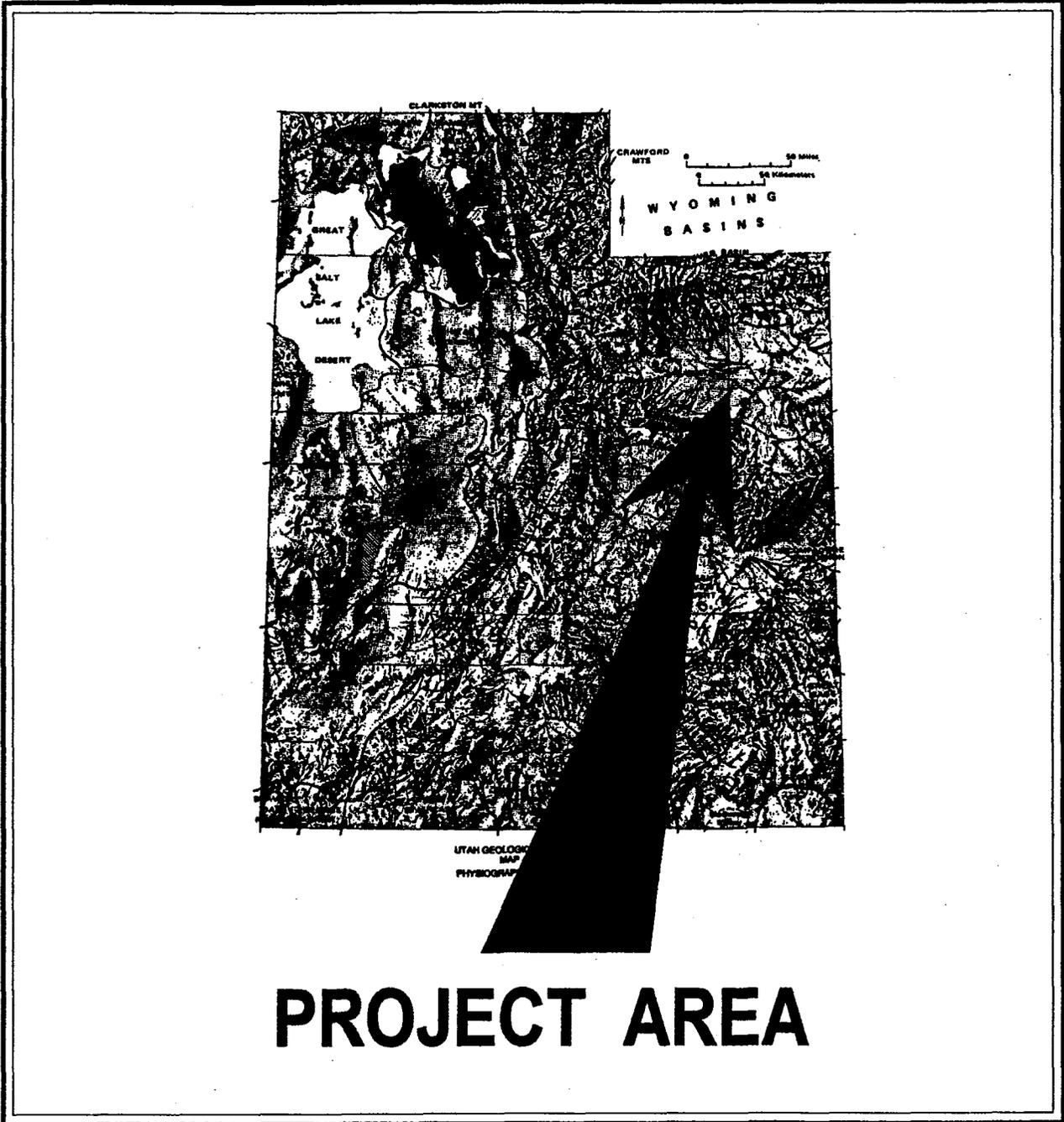
The project area is located in the South Wells Draw Unit, Pariette Bench and Castle Peak Draw localities of Duchesne and Uintah Counties, Utah. The various project areas are situated on the Myton SE and Pariette Draw SW 7.5 minute quads as shown on Maps 2 through 5. The inventoried areas and surveyed well locations and acreages are located as follows:

**South Wells Draw Unit (see Maps 2 and 3)** Two well locations were examined during bulk area inventories conducted during the winter of 1997-98. Map 3 shows the perimeters of those bulk surveys. Winter conditions precluded the recording of the associated cultural resources (42DC 1146 and 42DC 1148) in that report (c.f., Hauck and Hadden 1997). This present report completes the documentation of these 40 acre survey parcels with the reporting of cultural sites discovered in those parcels prior to the recent staking of these two well locations.

**MAP 1**  
**PROJECT AREA FOR THE INLAND**  
**1998 DEVELOPMENT**  
**PROGRAM**



**PROJECT: IPC98-3B**  
**SCALE: 1: 200,650**  
**DATE: 4/ 15/ 98**



**PROJECT AREA**

**TOWNSHIP: multiple**  
**RANGE: multiple**  
**MERIDIAN: multiple**

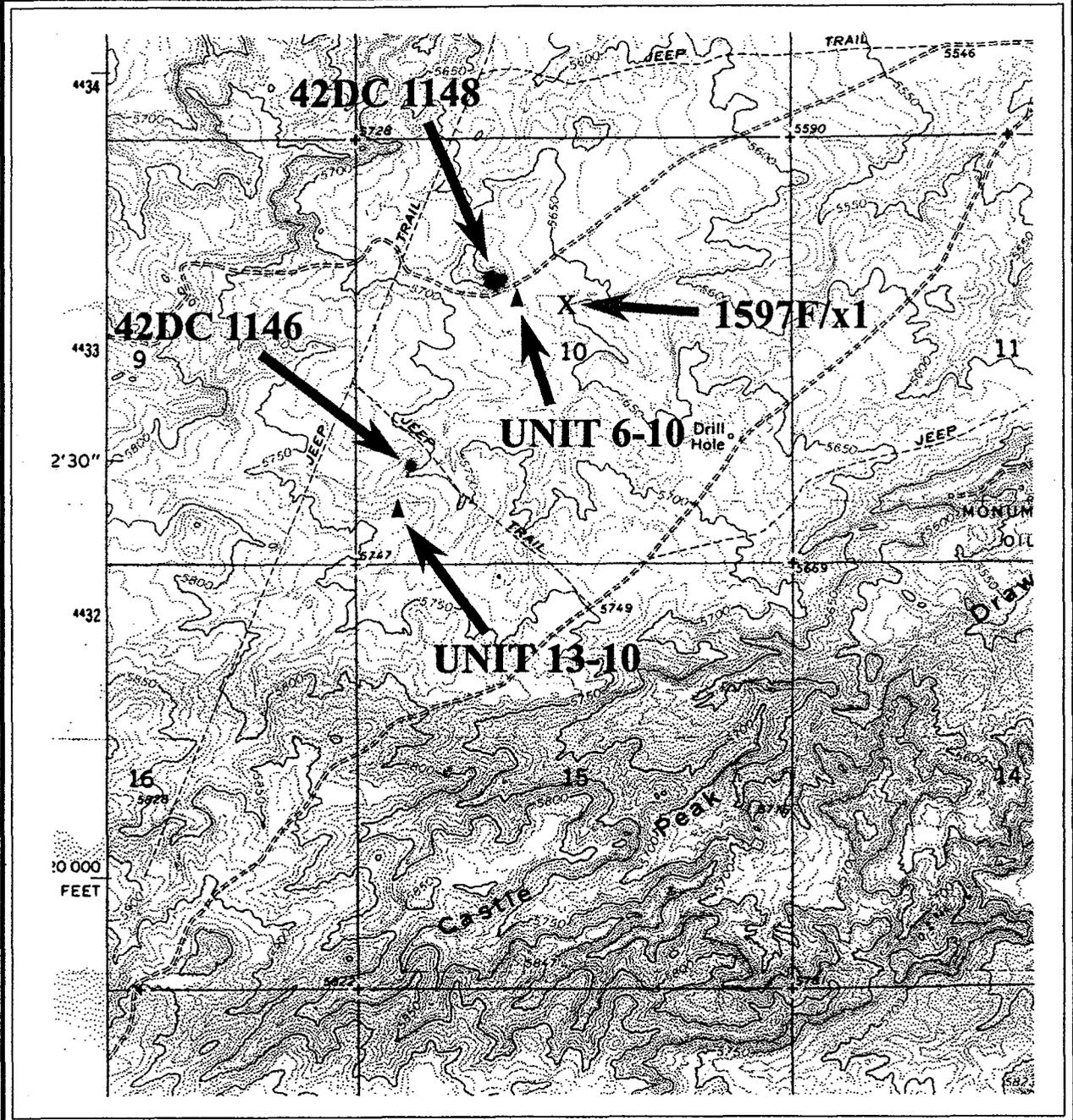
Utah Geological and Mineral Survey  
 Map 43 1977  
 Physiographic Subdivisions of Utah  
 by W.L. Stokes



**MAP 2**  
**CULTURAL RESOURCE SURVEY**  
**OF INLAND UNITS 6-10 & 13-10**  
**IN THE SOUTH WELLS DRAW UNIT**  
**OF DUCHESNE CO., UTAH**



**PROJECT:** IPC98-3B  
**SCALE:** 1:24,000  
**QUAD:** Myton SW  
**DATE:** April 15, 1998



**TOWNSHIP:** 9 South  
**RANGE:** 16 East  
**MERIDIAN:** SL B. & M.

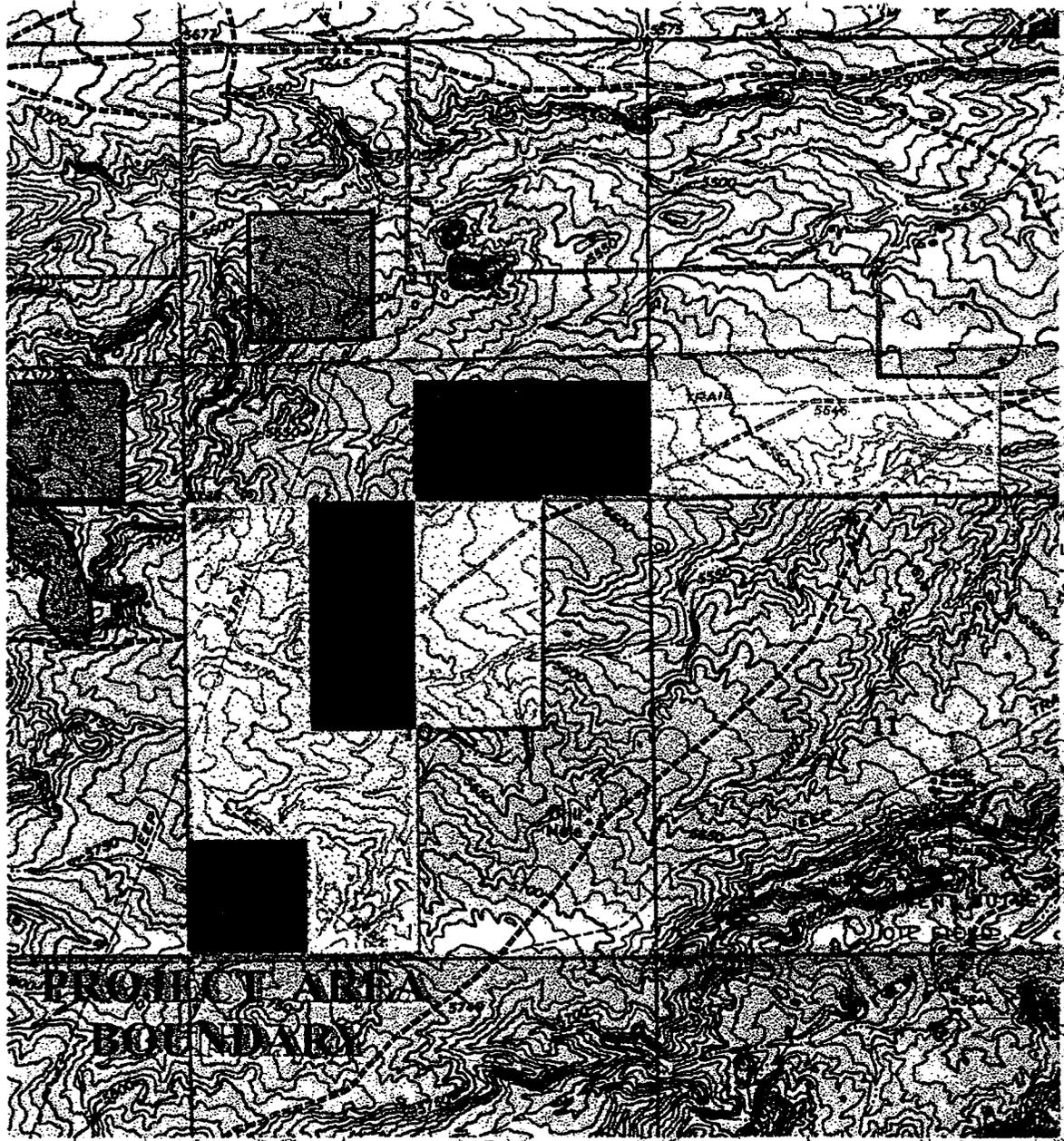
**LEGEND**

- △ WELL LOCATION
- CULTURAL SITE
- X ISOLATED ARTIFACT

MAP 3  
 CULTURAL RESOURCE SURVEY  
 OF INLAND UNITS 6-10 & 13-10  
 IN THE SOUTHWELLS DRAW UNIT  
 OF DUCHESNE CO. UTAH



PROJECT: IPC98-3B  
 SCALE: 1:24,000  
 QUAD: Myton SW  
 DATE: April 15, 1998



TOWNSHIP: 9 South  
 RANGE: 16 East  
 MERIDIAN: SL B. & M.

**LEGEND**

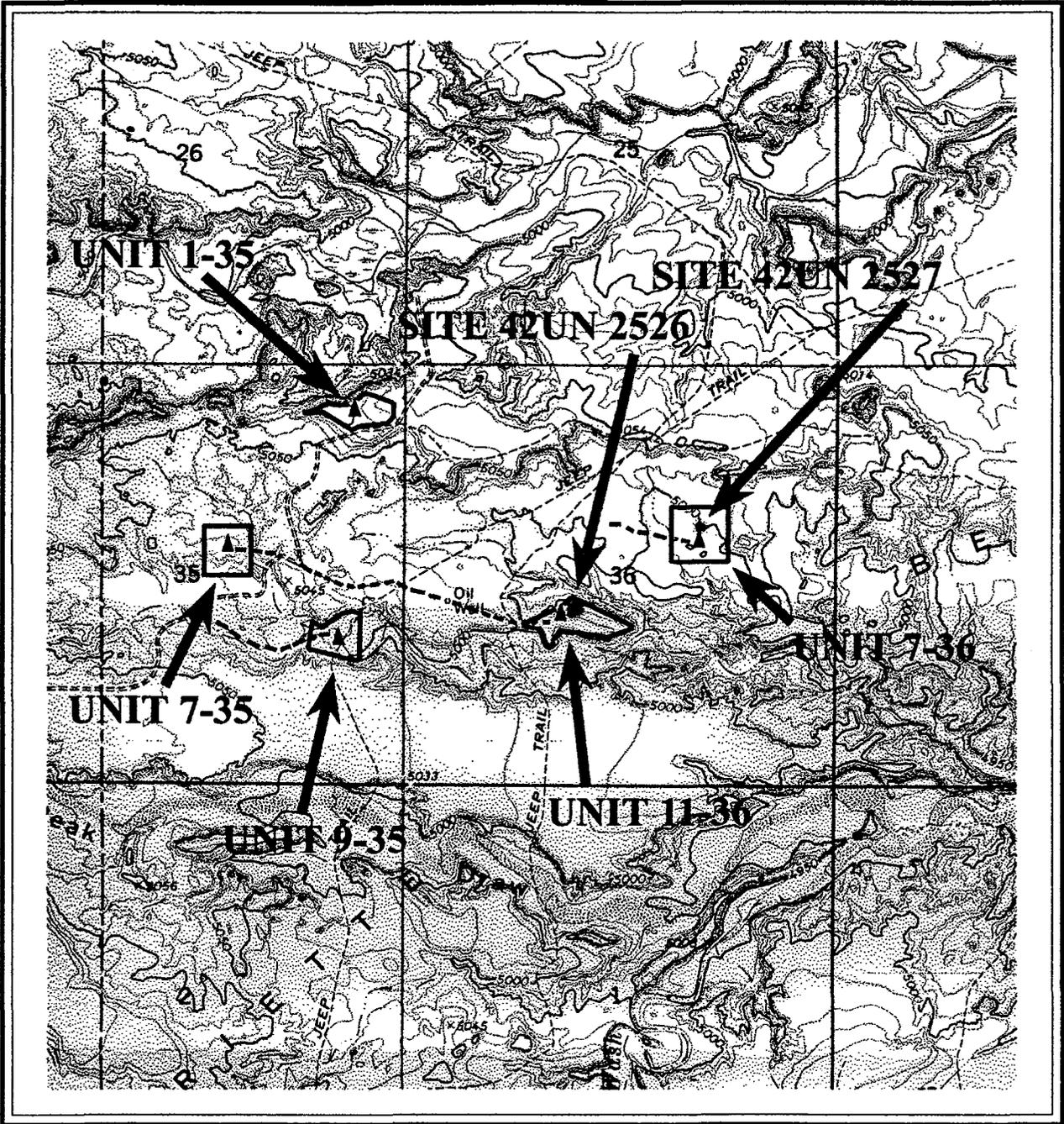
△ WELL LOCATION

● CULTURAL SITE  
 X ISOLATED ARTIFACT

**MAP 4**  
**CULTURAL RESOURCE SURVEY**  
**OF INLAND UNITS 7-36, 11-36, 1-35,**  
**7-35 & 9-35 IN THE PARIETTE BENCH**  
**LOCALITY OF UTAH COUNTY, UTAH**



**PROJECT:** IPC98-3B  
**SCALE:** 1:24,000  
**QUAD:** Pariette Draw SW  
**DATE:** April 15, 1998



**LEGEND**



**TOWNSHIP:** 8 South  
**RANGE:** 17 East  
**MERIDIAN:** SL B. & M.

△ WELL LOCATION  
 □ 10 ACRE SURVEY AREA

- - - ACCESS ROUTE

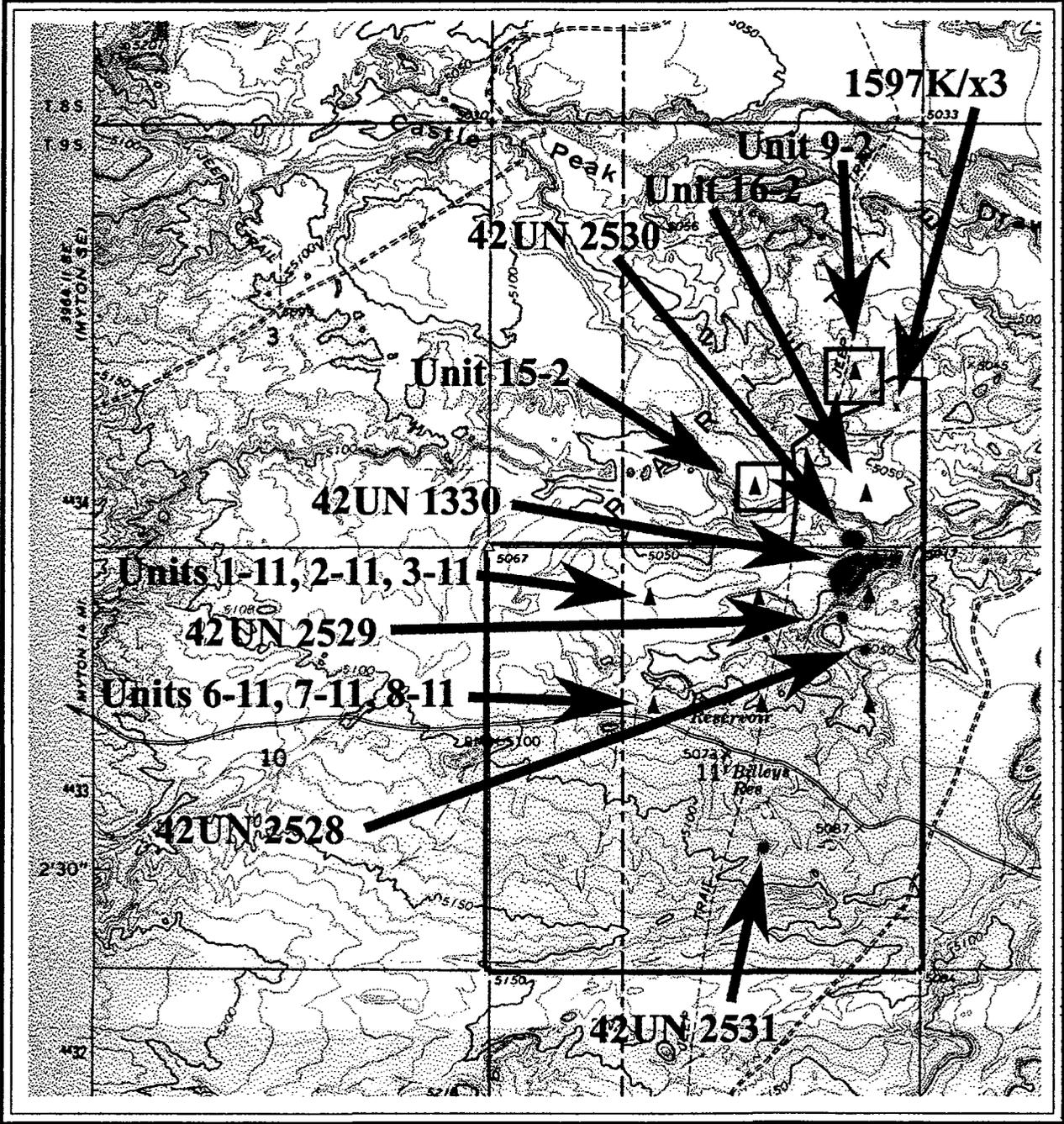
• CULTURAL SITE  
 X ISOLATED ARTIFACT

UTAH

**MAP 5**  
**CULTURAL RESOURCE SURVEY**  
**OF INLAND UNITS 9-2, 15-2, 16-2, 11**  
**2-11, 3-11, 6-11, 7-11, 8-11**  
**IN THE CASTLE PEAK DRAW**  
**LOCALITY OF UTAH COUNTY, UTAH**



**PROJECT:** IPC98-3B  
**SCALE:** 1:24,000  
**QUAD:** Pariette Draw SW  
**DATE:** April 15, 1998



**LEGEND**



**TOWNSHIP:** 9 South  
**RANGE:** 17 East  
**MERIDIAN:** SL B. & M.



10 ACRE SURVEY AREA



WELL LOCATION



BULK SURVEY AREA



CULTURAL SITE



ISOLATED ARTIFACT

**Unit 6-10** — A 40 acre area was evaluated in association with the SE 1/4 of the NW 1/4 of Section 10, Township 9 South, Range 16 East (see Map 3) as reported in Hauck and Hadden 1997.

**Unit 13-10** — A 40 acre area was evaluated in association with the SW 1/4 of the SW 1/4 of Section 10, Township 9 South, Range 16 East (see Map 3) as reported in Hauck and Hadden 1997.

**Pariette Bench Locations (see Map 4)** The inventory in this locality included ten acre surveys at five separate well sites including four access route corridor evaluations. Units 7-36 and 11-36, which are situated on Utah State land, were initially reported in January of this year (c.f., Hauck 1998a); the recording of the sites associated with these two well pads was postponed until March due to weather conditions.

**Unit 1-35** — AERC archaeologists evaluated a 10 acre area adjacent to this present center stake upon the top of the mesa where this location is staked. Unit 1-35 is situated adjacent to an existing roadway in the NE 1/4 of the NE 1/4 of Section 35, Township 8 South, Range 17 East.

**Unit 7-35** — A 10 acre area was examined adjacent to this present center stake within a basin where this location is staked. Unit 7-35 is situated in the SW 1/4 of the NE 1/4 of Section 35, Township 8 South, Range 17 East. A .15 mile-long access corridor ( 1.8 acres) was also examined in association with this location.

**Unit 9-35** — A 10 acre area was examined adjacent to this present center stake within the arroyo bottom where this location is staked. Unit 9-35 is situated in the NE 1/4 of the SE 1/4 of Section 35, Township 8 South, Range 17 East. A .38 mile-long access corridor ( 4.6 acres) was also examined in association with this location.

**Unit 7-36** — A 10 acre area was evaluated adjacent to this present center stake by AERC archaeologists as noted above. Unit 7-36 is situated in the SW 1/4 of the NE 1/4 of Section 36, Township 8 South, Range 17 East. A .23 mile-long access corridor ( 2.75 acres) was also examined in association with this location.

**Unit 11-36** — AERC archaeologists evaluated a 10 acre area adjacent to this present center stake upon the top of the isolated mesa where this location is staked as noted above. Unit 11-36 is situated in the NE 1/4 of the SW 1/4 of Section 36, Township 8 South, Range 17 East. A .76 mile-long access corridor ( 9.18 acres) was also examined in association with this location.

**Castle Peak Draw Locations (see Map 5)** The inventory included the nine following well locations that are situated in Castle Peak Draw -- Pariette Bench locality. This inventory specifically involves two 10 acre parcel examinations associated with Units 9-2 and 15-2, a 65 acre bulk parcel associated with Unit 16-2, and a 640 acre bulk area (Section 11) evaluated in conjunction with Units 1-11, 2-11, 3-11, 6-11, 7-11, 8-11 and any other Inland well locations planned for that section. Units 9-2, 15-2 and 16-2 are all situated on Utah State land.

**Unit 9-2** — AERC archaeologists evaluated a 10 acre area adjacent to this present center stake. This unit is situated in the NE 1/4 of the SE 1/4 of Section 2, Township 9 South, Range 17 East. Since no access route has been staked into this location, future investigations will include the access and pipeline corridors probably during a bulk acreage survey in Section 2.

**Unit 15-2** — A 10 acre area was examined adjacent to this present center stake on the ridge where this location is staked. Unit 15-2 is situated in the SW 1/4 of the SE 1/4 of Section 2, Township 9 South, Range 17 East. Since no access route has been staked into this location, future investigations in Section 2 will include the access and pipeline corridors probably during an extension of the bulk acreage survey .

**Unit 16-2** — A 65 acre parcel was evaluated in the SE 1/4 of the SE 1/4 of Section 2, Township 9 South, Range 17 East.

**Units 1-11, 2-11, 3-11, 6-11, 7-11, 8-11** — As is demonstrated on Map 5, a 640 acre parcel was evaluated by AERC personnel involving Section 11, Township 9 South, Range 17 East. This bulk acreage provides Inland the flexibility to expand its drilling program to the south of the six presently staked well pads without the need for additional inventories of future proposed well locations, access routes, or pipeline corridors.

## **Environmental Description**

The various project areas associated with this report are within the 5000 to 5700 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are affiliated with the entire project area.

The vegetation in the project area includes rabbit brush (*Chrysothamnus spp.*), sagebrush (*Artemisia spp.*), Winterfat (*Ceratoides lanata*) greasewood (*Sarcobatus spp.*), Sulphurflower Buckwheat (*Eriogonum umbellatum*) Mormon tea (*Ephedra viridis*), Halogeton, Mountain Mahogany (*Cercocarpus spp.*), saltbush (*Atriplex canescens*), and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uintah Formation of Tertiary age.

## **PREVIOUS RESEARCH IN THE LOCALITY**

### **File Search**

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 6, 1997 in association with the primary project as requested by Inland Resources, Inc. A similar search was conducted in the Vernal

District Office of the BLM on November 10, 1997 and March 18, 1998. The National Register of Historic Places was consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the general locality. Many of these prehistoric resources were identified and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995, 1996, 1997).

## **Prehistory of the Cultural Region**

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - 300 A.D.), and Formative (ca. A.D. 400 - 1100) stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern Period which was initiated with the incursion of the Euro-American trappers, explorers and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see *Archaeological Evaluations in the Northern Colorado Plateau Cultural Area* (Hauck 1991).

## **Site Potential in the Project Development Zone**

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places. The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "tap and test" variety, and extend for tens of hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numic) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e. Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate

that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits. In the Wells Draw and Castle Peak Draw localities, site density appears to be very high, especially in areas near water courses and seep sources.

## **FIELD EVALUATIONS**

### **Methodology**

Intensive evaluations consisted of the archaeologists walking a series of 15 to 20 meter-wide transects within the various parcels associated with the surveyed well locations and along the 100 foot-wide access routes. Thus, 873.33 acres associated with these 16 proposed well locations were inventoried relative to this present project and previously reported projects as noted above.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Due to the on-set of winter conditions, the recording of archaeological sites 42DC 1146, 42DC 1148, 42Un 2526, and 42UN 2527, which were identified during the 1997-98 winter evaluations were postponed until March and April 1998. Additional reports for various Inland projects, also to be released in the spring of 1998, will continue to document those resources that were initially identified and noted in Hauck and Hadden 1997.

In certain instances, the cultural sites are evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. of North Salem, New Hampshire). GPR was not used during this project but may be employed to facilitate the significance assessments of certain cultural sites.

Following these field analyses, cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are developed by the principal investigator in consultation with both the client and relevant governmental agencies as a means of preserving significant resources which may be situated within the development zone.

### **Site Significance Criteria**

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American . . . archaeology . . . and culture is present in . . . sites . . . that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. *That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. *that are associated with the lives of persons significant in our past; or*
- c. *that embody the distinctive characteristics of a type, period, or method of construction . . . ; or*
- d. *that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Register of Historic Places.

## **Results of the Inventory**

Eight prehistoric cultural resource activity loci were recorded during the final archaeological evaluation of various units as shown on Maps 2, 4, and 5. These sites include 42DC 1146, 42DC 1148, 42UN 2526 through 42UN 2531. A brief description of each site, the site maps, cultural significance determinations, and mitigation recommendations are provided in this portion of the report.

**Site 42DC 1146 (see Maps 2, 3 & 6)** This site consists of an open occupation situated on the southern aspect of a terrace/outcrop. The site includes a deflated hearth and a single chipped stone tool -- an Early to Middle Archaic Side-notch dart point (see Figure 1). No other cultural debris was identified along the ridge. Much of the surface of the site is deflated with aeolian and fluvial deposition along tertiary drainages and areas with vegetation.

**National Register Status:** not significant — site lacks depth potential

**Potential for Project-related Disturbance:** none

**Recommendations:** none

**Site 42DC 1148 (see Maps 2, 3 & 7)** This site consists of scattered historic debris with some areas of higher density. A deteriorated oven consisting of fire bricks and a steel grate was constructed at the southeastern base of the ridge. Areas of higher density included two scatters of insulators and a scatter of deteriorating wood, wire, and cans. A number of hole in top and crimped cans and broken clear glass were scattered throughout the site area. The prehistoric component consisted of a low density scatter of lithic debitage primarily of Parachute Creek chert. The scatter surrounds the ridge beginning

at the southeastern aspect of the ridge extending along the northern margin. The site surface consists of deflated areas, rock outcrops, and regions of deposition.

**National Register Status:** this site is considered to have potential for National Register inclusion because aeolian depositions within the site demonstrate potential for stratified depth and contextual integrity.

**Potential for Project-related Disturbance:** none — site will be avoided during the construction of Unit 6-10.

**Recommendations:** none

**Site 42UN 2526 (see Maps 4 & 8)** This prehistoric site consists of an open occupation situated on the north slope of the top of an isolated mesa. The site occupies an area of ca. 60 x 60 meters. Much of the surface in the site area consists of aeolian sand which has become stabilized. Blow-out zones contain debitage indicating site has the potential for buried features and diagnostic materials. Lack of diagnostics hamper determination of site period of occupation, but it probably is no more recent than Late Archaic. Exposures in shallow drainage channels indicate presence of hearth features on the site. Food preparation on-site is suggested by the presence of a sandstone mano.

**National Register Status:** this site is considered to have potential for National Register inclusion because aeolian depositions within the site demonstrate potential for stratified depth and contextual integrity.

**Potential for Project-related Disturbance:** At the present, Inland Unit 11-36 extends into the southwestern portion of the site; thus, a high probability exists for site disruption during the blading and operations on Unit 11-36. This site cannot be avoided during the construction of Unit 11-36 if that proposed well pad remains in its present location.

**Recommendations:** AERC recommends that the site be avoided during the construction and operational phases associated with Unit 11-36. This can be facilitated by moving the pad's staked location 100 feet to the southwest to ensure site preservation during pad construction. AERC also recommends that the northern and eastern peripheries of the relocated well pad be fenced to facilitate the long-term preservation of the site from random vehicle traffic originating on the well pad location.

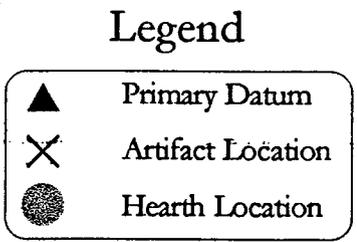
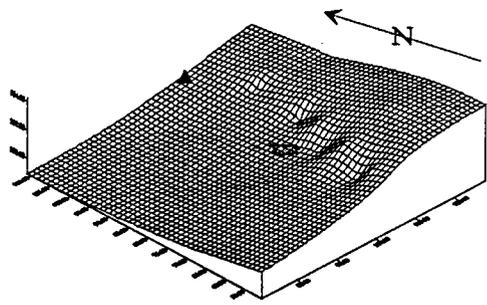
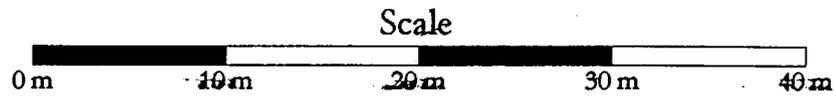
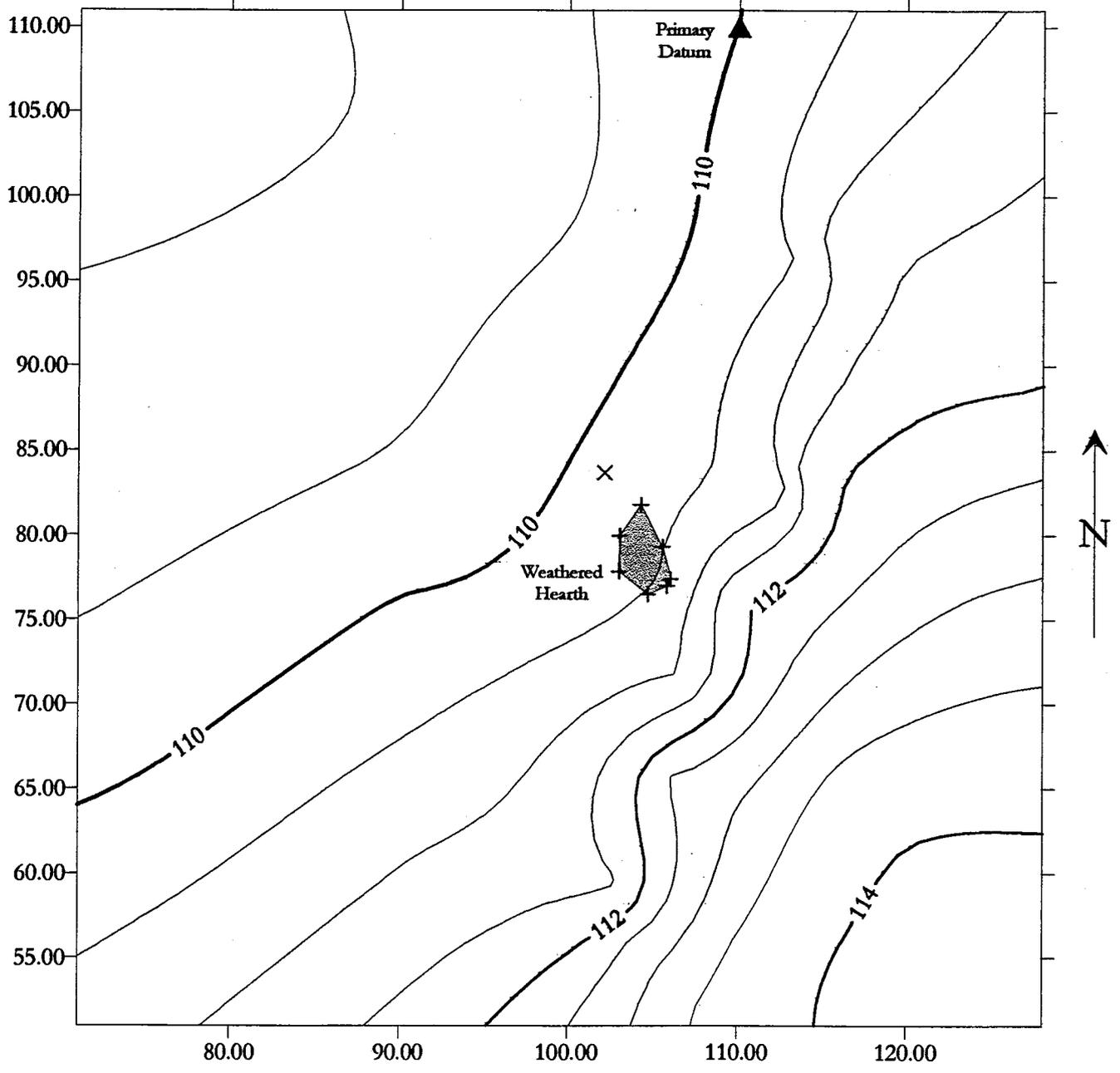
**Site 42UN 2527 (see Maps 4 & 9)** This site consists of a sparse scatter of highly patinated, expediency tools generally associated with the initial dismemberment of large game after a kill. Tools were probably prepared, used and discarded in the site area. The several opposing-flake biface choppers observed on the site are common to similar sites of the Early and Middle Archaic phases that have been previously recorded by this firm in the Northwestern Plains and Uintah Basin. The sawtooth edge on these tools facilitate their use in cutting through thick tendons while quartering game. The site measures ca. 40 meters in circumference and is exposed directly on a deflated, Pleistocene age, desert pavement.

**National Register Status:** not significant — site lacks depth potential and contextual integrity.

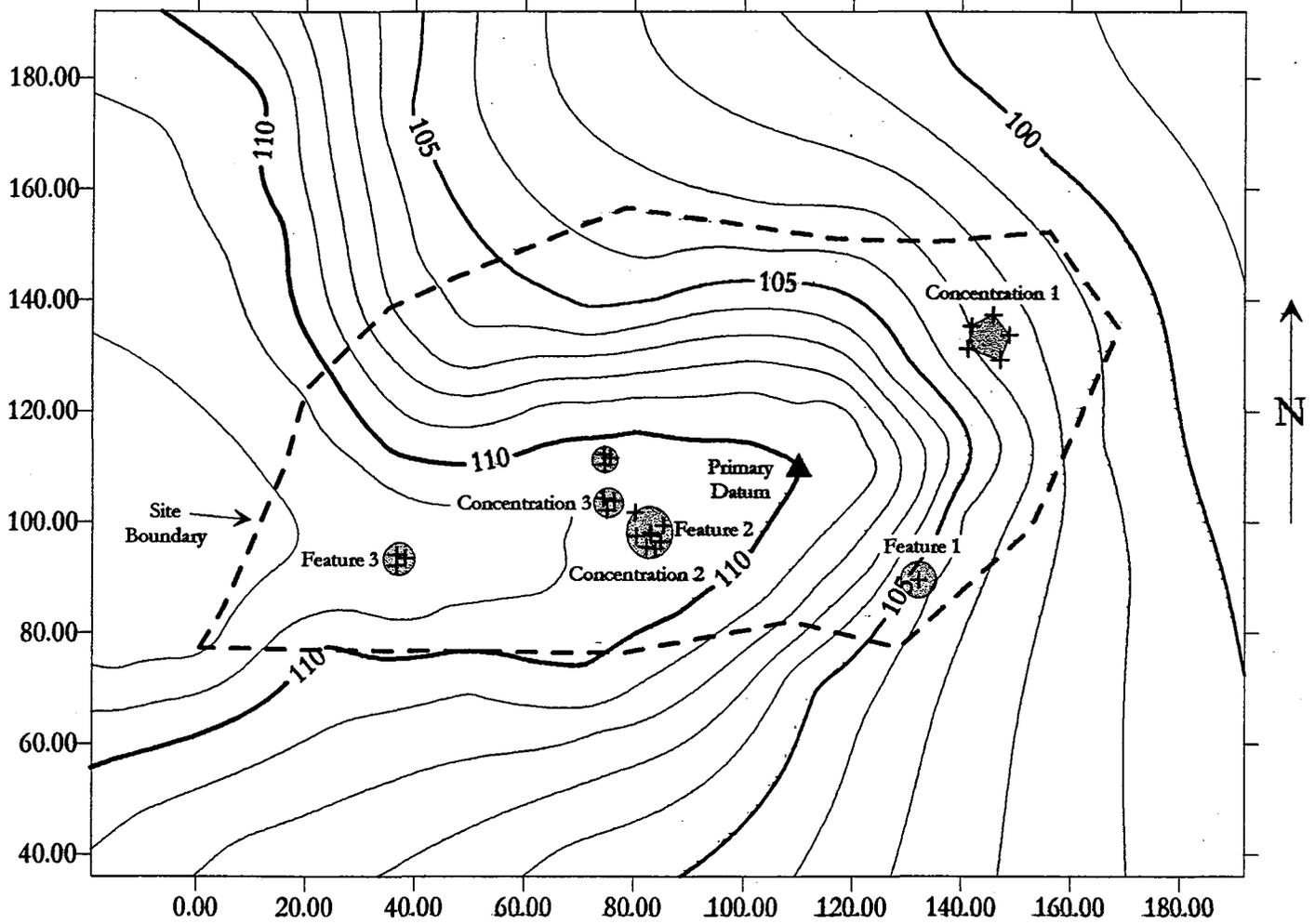
**Potential for Project-related Disturbance:** none — site is just north and outside the northern perimeter for Unit 7-36.

**Recommendations:** none

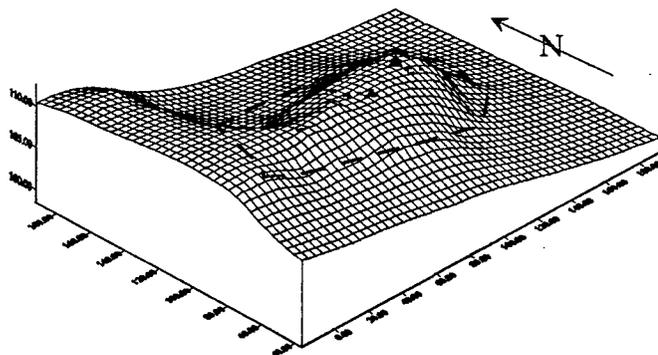
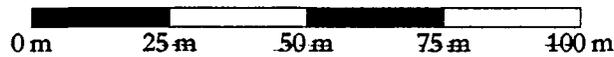
# MAP 6: Artifact Distribution at 42DC1146



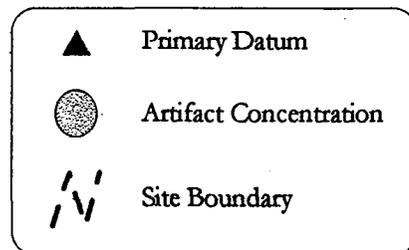
# MAP 7: Artifact Distribution at 42DC1148



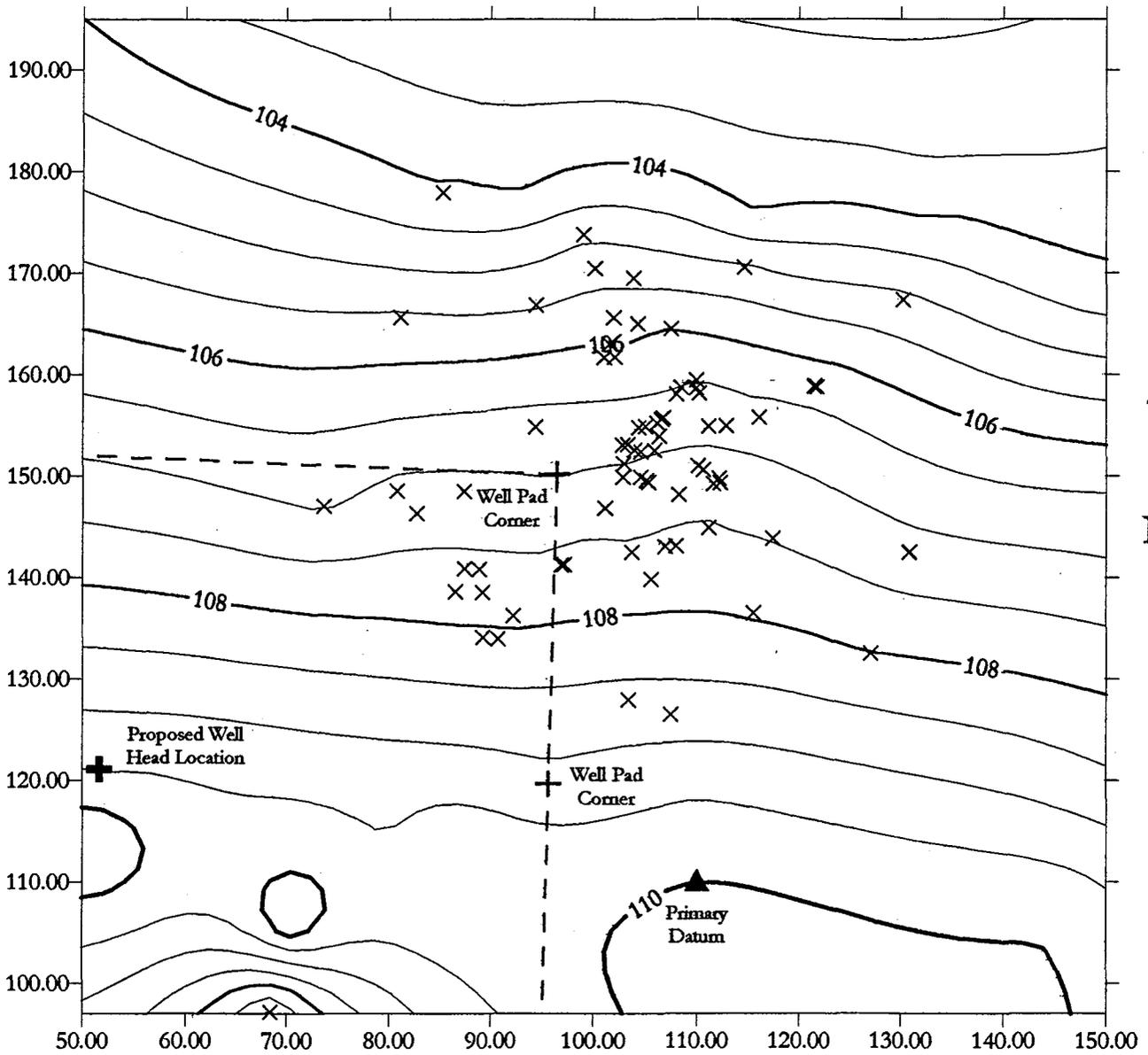
Scale



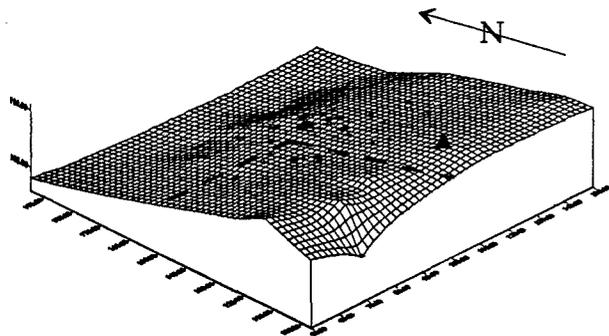
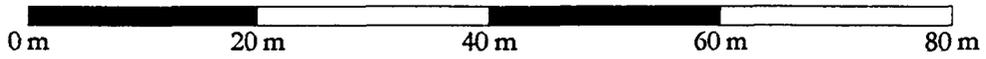
## Legend



# MAP 8: Artifact Distribution at 42UN2526



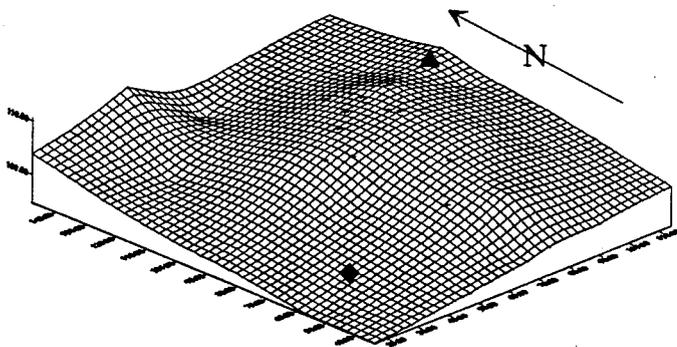
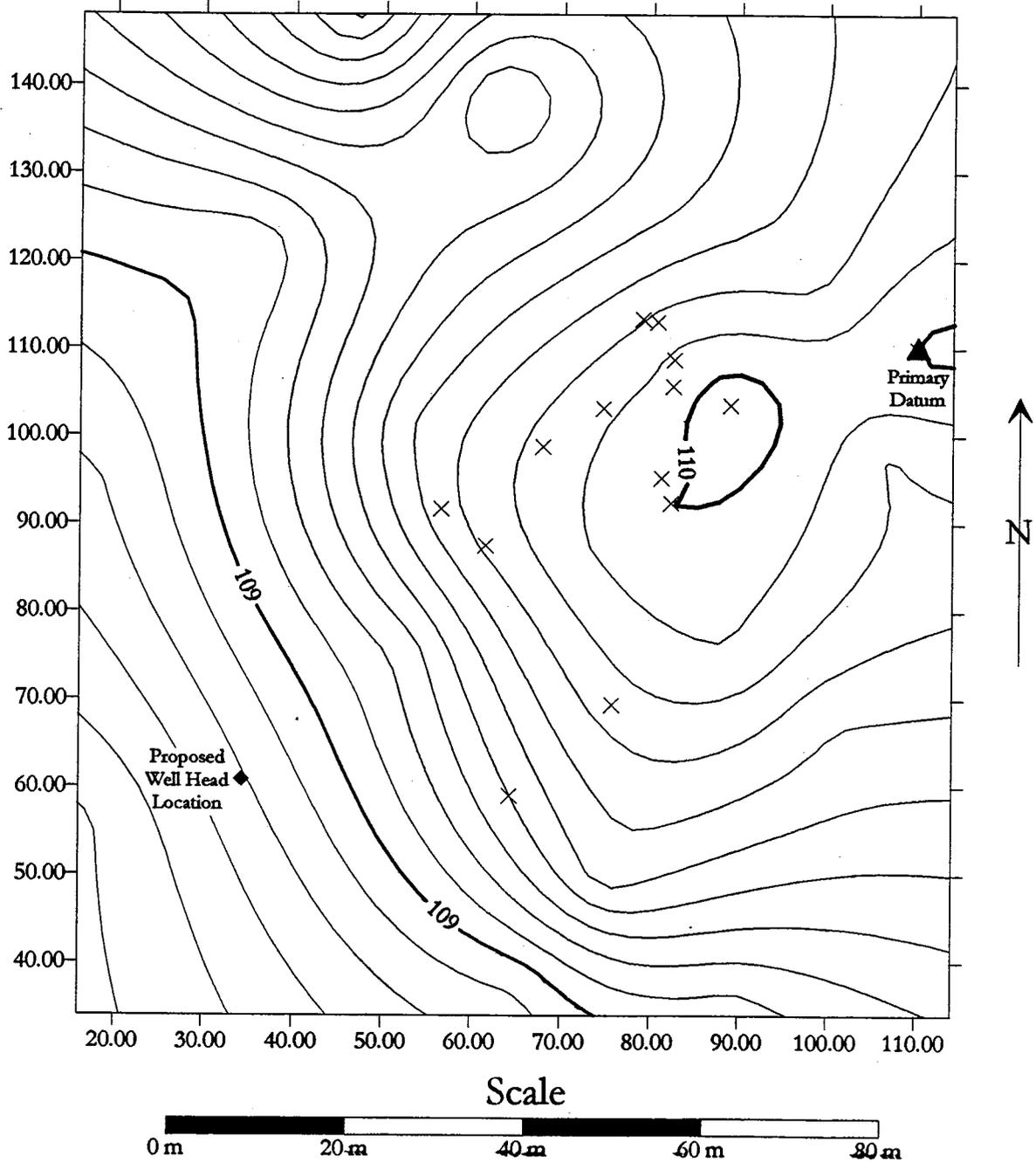
Scale



## Legend

- ▲ Primary Datum
- + Well Pad Corner
- ⊕ Well Head Location
- × Artifact Location

# MAP 9: Artifact Distribution at 42UN2527



## Legend

- ▲ Primary Datum
- ◆ Well Head
- × Artifact Location

**Site 42UN 2528 (see Maps 5 & 10)** This site consists of a diffuse scatter of 10+ lithic flakes in a 20 x 50 meter area. All debitage consists of the locally available Parachute Creek chert as primary and secondary flakes. A possible, highly deflated hearth feature is situated on the southeastern portion of the site. Shallow aeolian depositions on the site were carefully examined to determine depth potential with negative results.

**National Register Status:** not significant — site lacks depth potential and contextual integrity.

**Potential for Project-related Disturbance:** none — site is south and outside the southern perimeter for Unit 1-11.

**Recommendations:** none

**Site 42UN 2529 (see Maps 5 & 11)** This site consists of an open occupation located on the east side of a ridge along the edge of a dune field. It is currently eroding into a tributary drainage of Big Wash. Site measures ca. 40 x 70 meters in size and has depth potential. Site contains several biface tools, a deflated hearth, core materials and biface reduction materials. Cherts on the site include the localized Parachute Creek chert, a white chert and an unknown clear chert containing red speckles.

**National Register Status:** this site is considered to have potential for National Register inclusion because aeolian depositions within the site demonstrate potential for stratified depth and contextual integrity.

**Potential for Project-related Disturbance:** none — site is outside the perimeter of Unit 1-11 and can easily be avoided during the construction of that well location.

**Recommendations:** none

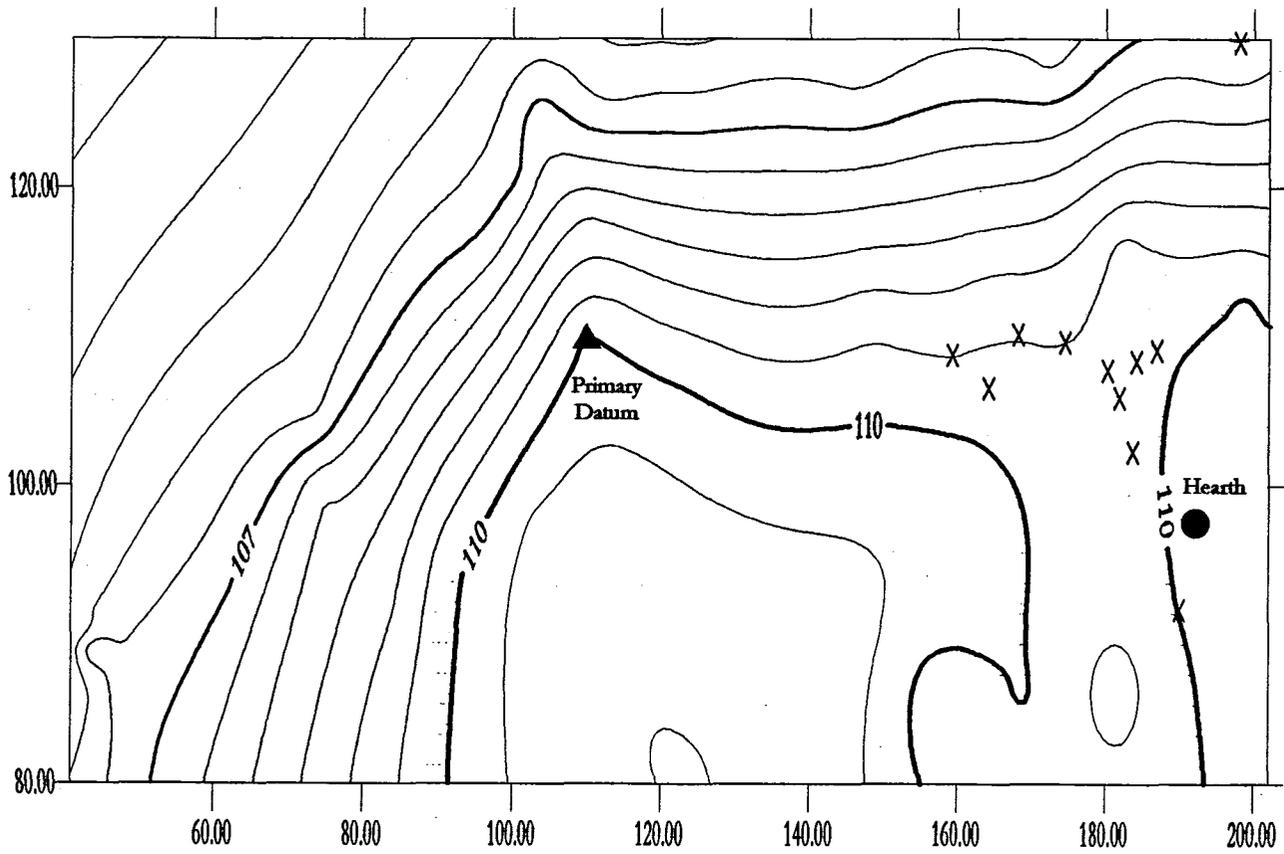
**Site 42UN 2530 (see Map 5 & 12)** This site consists of an open occupation located on the north slope and bench of a ridge on the south side of a tributary drainage of Big Wash. Site is ca. 50 x 100 meters in size and has depth potential. Site is adjacent to 42UN 1330 which is above and to the south in the adjacent section (11). Site contains an early PaleoIndian component based on the recovery of a Goshen (Plainview) base (see Figure 2). Site probably also contains Archaic components although no diagnostics were observed (see Figure 3). Dominant lithic material type on the site consists of Parachute Creek chert which is locally available in the form of thin-bedded float. Evidence of full range of biface reduction can be observed on the site in addition to evidence of tool use and discarding.

**National Register Status:** this site is considered to have potential for National Register inclusion because aeolian depositions within the site demonstrate potential for stratified depth and contextual integrity.

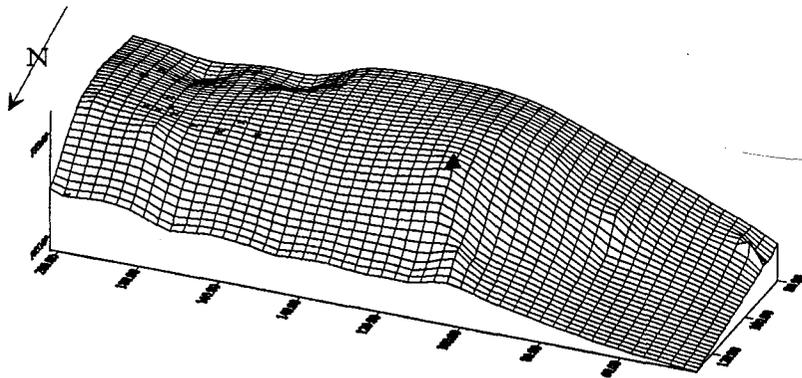
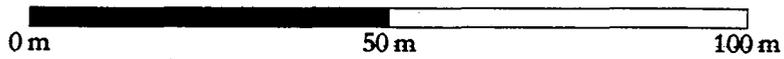
**Potential for Project-related Disturbance:** none — site is outside the perimeters of Units 1-11 and 16-2 and can easily be avoided during the construction of those well locations.

**Recommendations:** none

# MAP 10: Artifact Distribution at 42UN2528



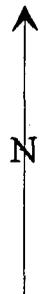
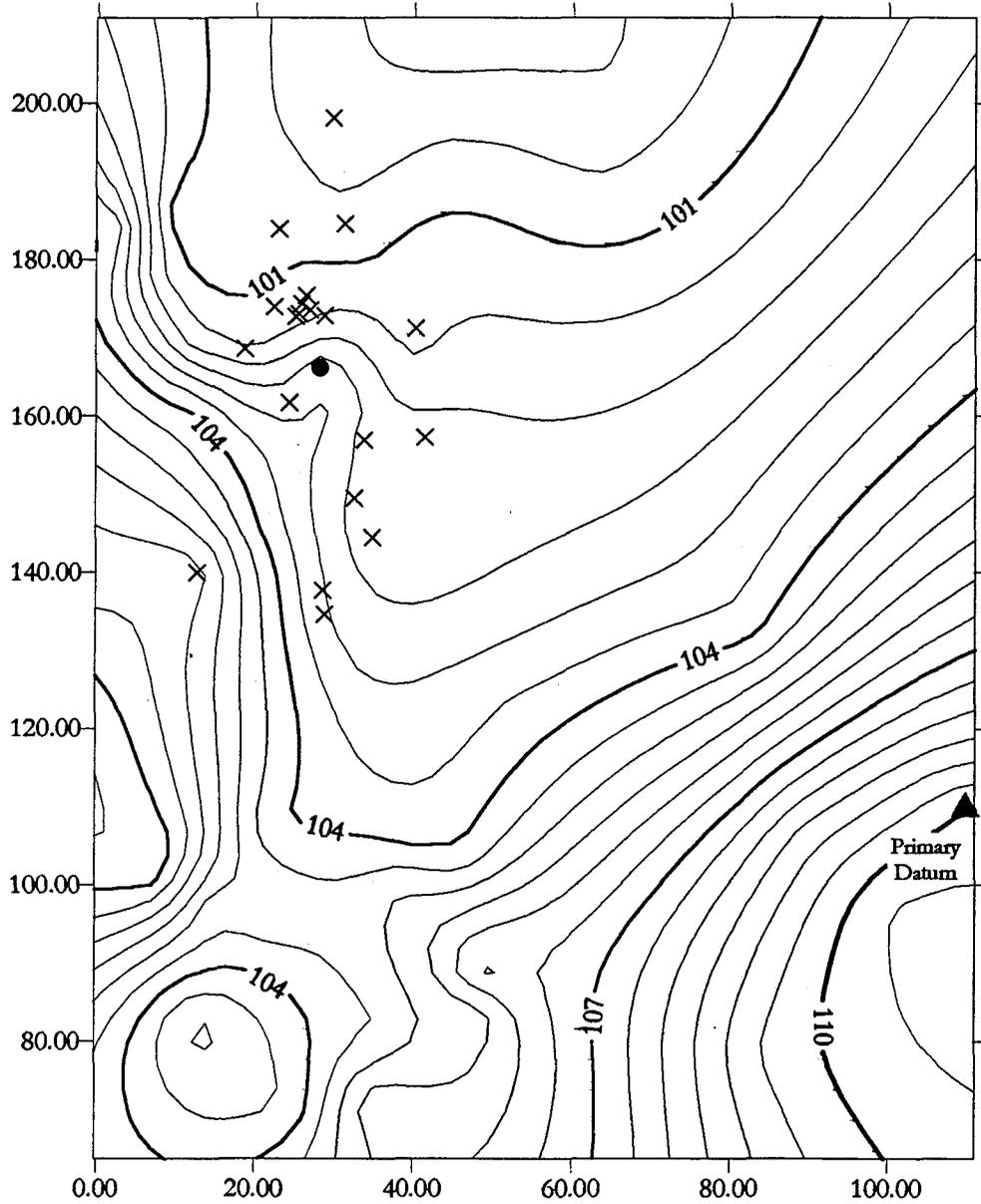
Scale



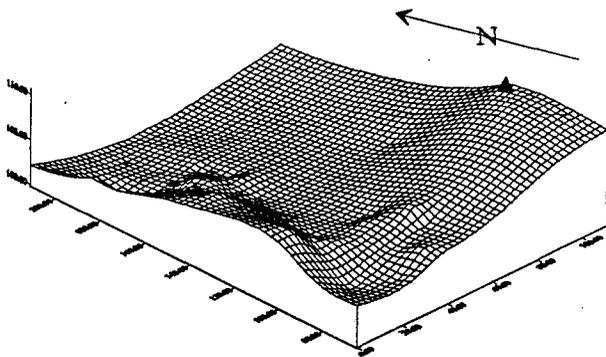
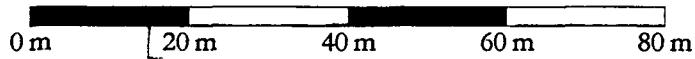
## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth

# MAP 11: Artifact Distribution at 42UN2529



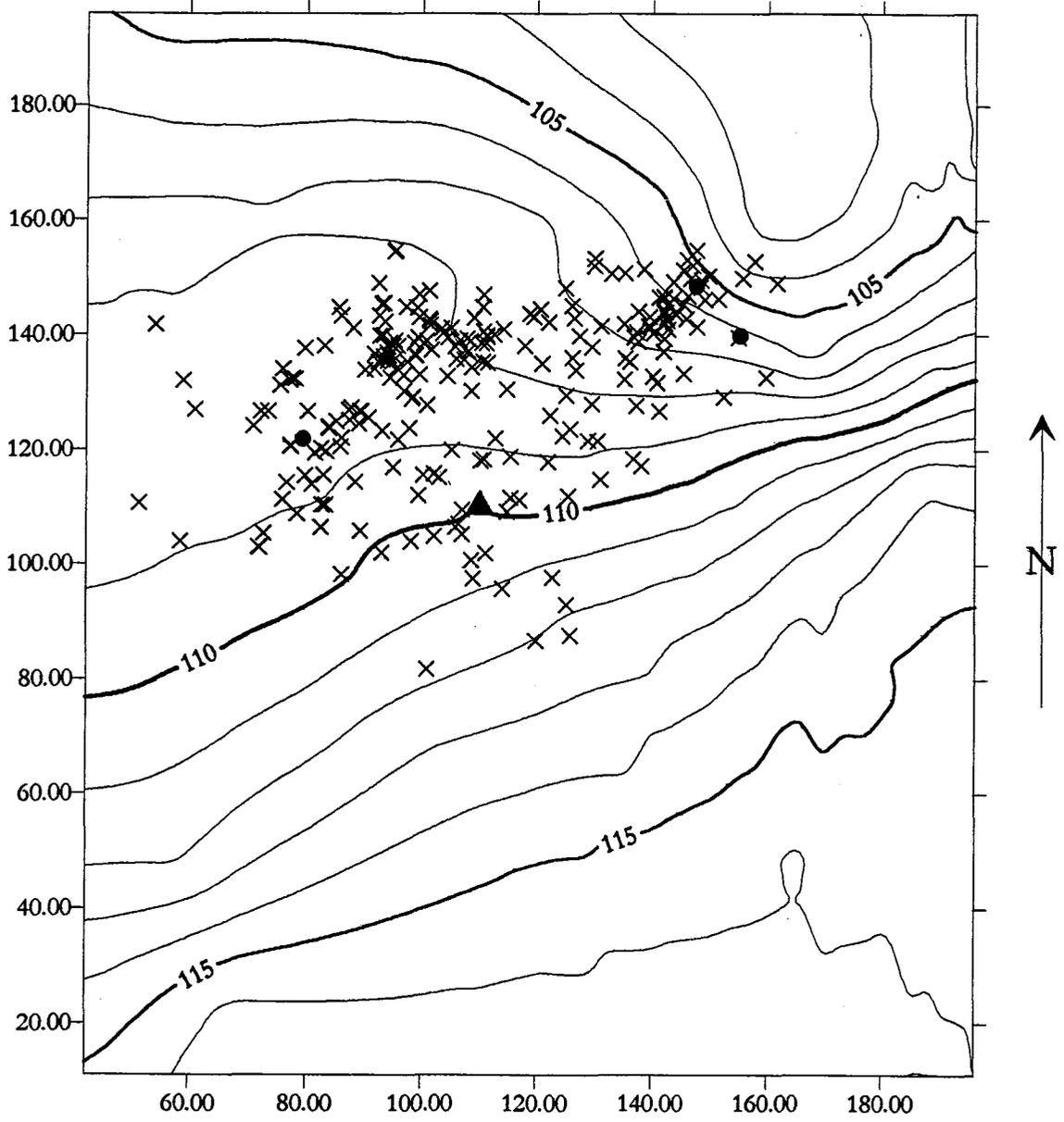
Scale



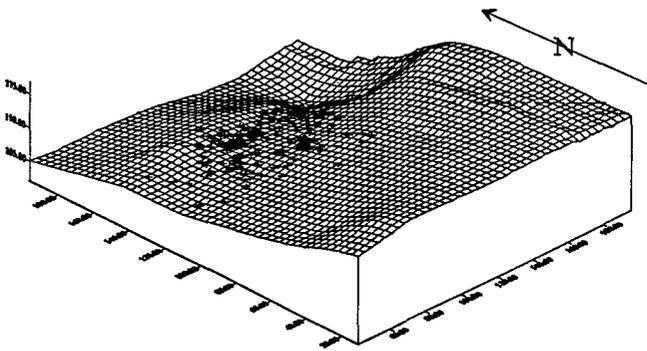
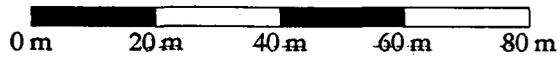
## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth

# MAP 12: Artifact Distribution at 42UN2530



Scale



## Legend

- ▲ Primary Datum
- Hearth
- × Artifact Location

**Site 42UN 2531 (see Maps 5 & 13)** This site consists of a sparse scatter of flakes and one biface expediency butchering tool. Site was apparently the locus of a butchering episode related to the dismemberment of a large mammal.

**National Register Status:** not significant — site lacks depth potential and contextual integrity.

**Potential for Project-related Disturbance:** none

**Recommendations:** none

One previously identified and recorded significant National Register eligible sites was noted during the survey being reported in this document. That site (42UN 1330) is situated immediately north of Unit 1-11. A brief description of that site follows:

**Site 42UN 1330 (see Map 5)** This large prehistoric site consists of an open occupation and lithic scatter that has been previously recorded. It is situated on the top and southern slope of a ridge overlooking the basin where Unit 1-11 has been staked.

**National Register Status:** this site is considered to have potential for National Register inclusion because aeolian depositions within the site demonstrate potential for stratified depth and contextual integrity.

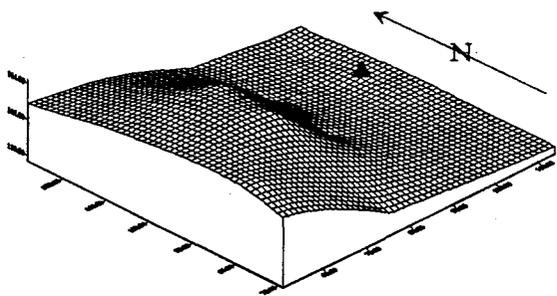
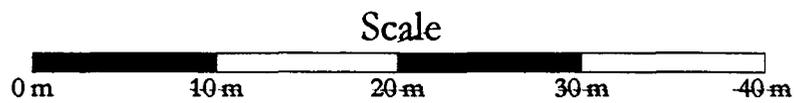
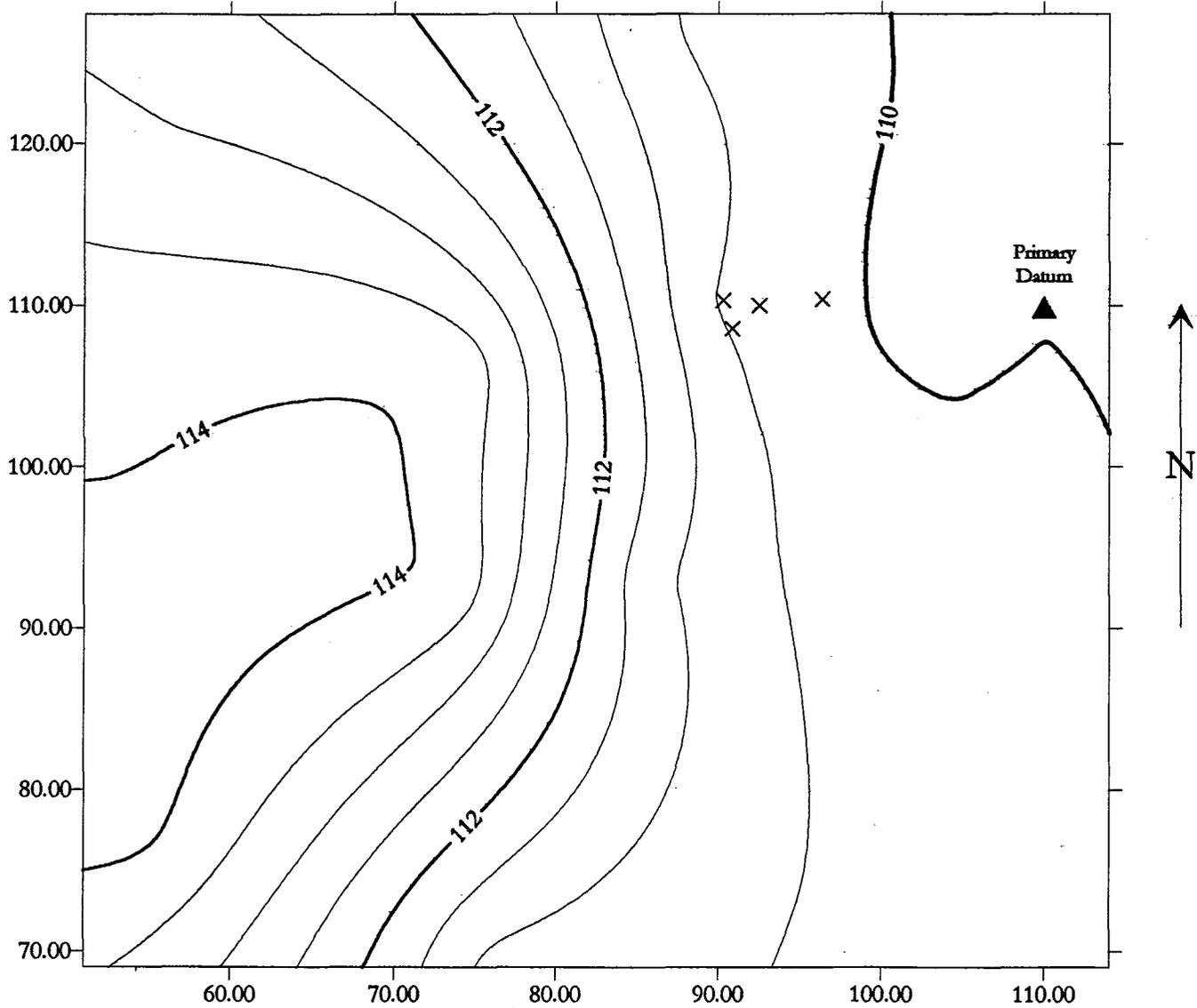
**Potential for Project-related Disturbance:** moderate due to proximity between site and well pad construction area for Unit 1-11.

**Recommendations:** avoidance — construction on adjacent Unit 1-11 should be restricted to the south side of the drainage that forms the site's southern and eastern periphery.

Two partially diagnostic, isolated artifacts were observed and recorded during the evaluations. These artifacts include 1597F/x1 (see Map 2 and Figure 4) and 1597K/x3, (see Map 5 and Figure 5). The first consists of a distal fragment of a bifacially prepared tool. The second isolate consists of a mid-section that appears to be a remnant of a PaleoIndian blade tool. Both were recovered for laboratory analysis and will be curated at AERC's established curatorial facility with other artifacts collected during this project.

No paleontological loci were observed during the survey. A paleontological report will be appended to the final AERC report for this project.

# MAP 13: Artifact Distribution at 42UN2531



## Legend

- ▲ Primary Datum
- × Artifact Location

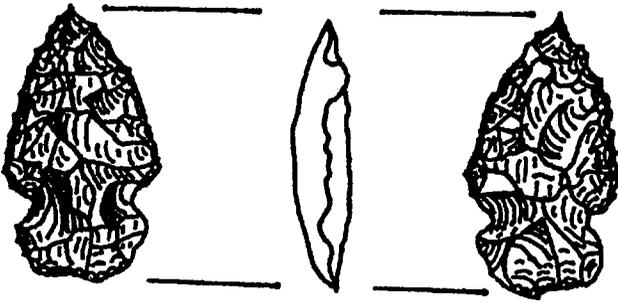


FIGURE 1:  
Side-notch Projectile Point  
recovered from 42DC1146

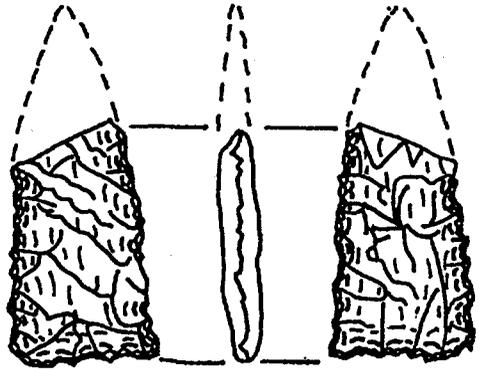


FIGURE 2:  
Goshen (Plainview) Style Projectile  
Point recovered from 42UN2530

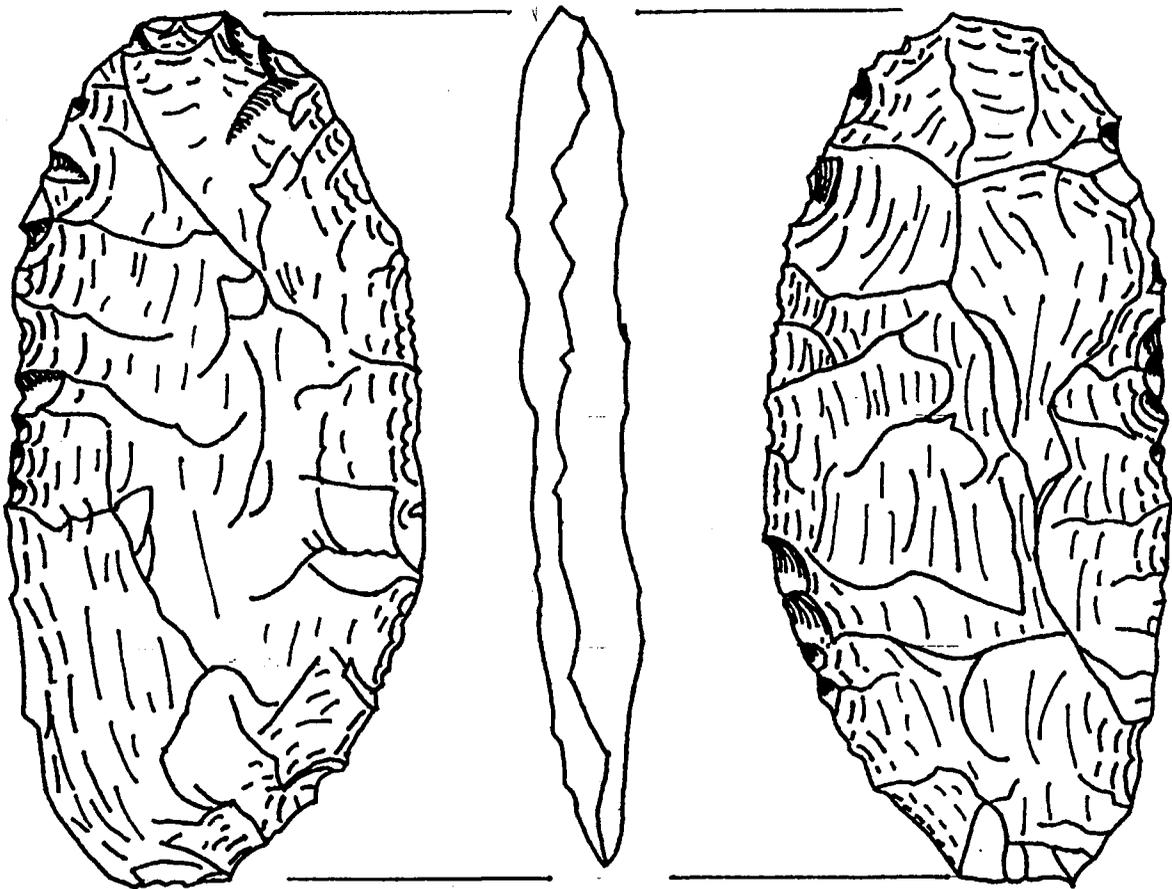


FIGURE 3:  
Knife recovered from  
42UN2530

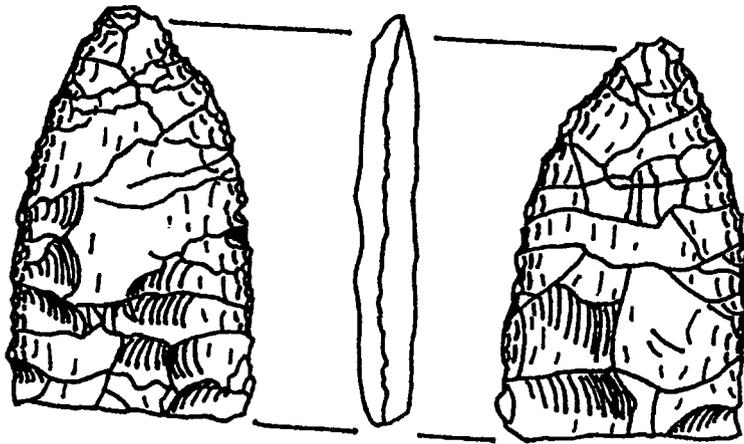


FIGURE 4:  
Isolated find 1597F/x1

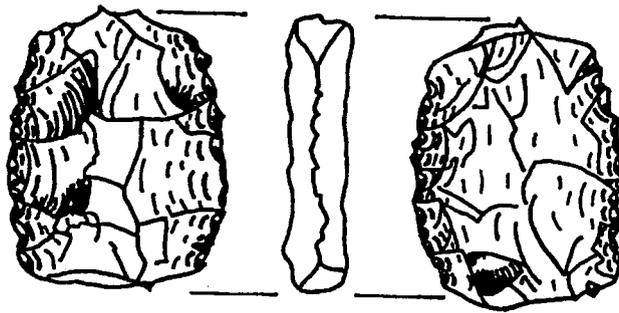


FIGURE 5:  
Isolated find 1597K/x3

## CONCLUSION AND RECOMMENDATIONS

Inland Units 6-10, 13-10, 7-36, 1-35, 7-35, 9-35, 9-2, 15-2, 16-2, 2-11, 3-11, 6-11, 7-11, 8-11 and their respective access routes as shown on Maps 2 through 5 in this document do not pose any significant threat to any known significant cultural resources. However, several significant cultural resource sites (42UN 2526, 42UN 1330) could be adversely impacted during the development and operation of Inland Resources, Inc.'s well locations 11-36 and 1-11 as cited in this report.

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. relative to the development of these 16 proposed locations based upon adherence to the following stipulations:

1. Site 42UN 2526 should be avoided by moving the staked location for Unit 11-36 a minimum of 100 feet to the southwest to ensure site preservation during pad construction. In addition, the northern and eastern peripheries of the relocated well pad should be fenced to facilitate the long-term preservation of the site from random vehicle traffic originating on the well pad location;
2. Site 42UN 1330 should be avoided by restricting construction, operational, and vehicular activities to the south side of the drainage that forms that site's southern and eastern periphery;
3. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones, to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
4. all personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
5. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

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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)

January 10, 2000

Inland Production Company  
P.O. Box 790233  
Vernal, UT. 84079

Re: S Wells Draw 13-2-9-16 Well, 696' FSL, 644' FWL, SW SW, Sec. 2, T. 9 S., R. 16 E.,  
Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32127.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza  
Associate Director

ecc

Enclosures

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

**Operator:** Inland Production Company  
**Well Name & Number:** S Wells Draw 13-2-9-16  
**API Number:** 43-013-32127  
**Lease:** State **Surface Owner:** State  
**Location:** SW SW **Sec.** 2 **T.** 9 S. **R.** 16 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).

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY

Well Name: S WELLS DRAW 13-2-9-16

Api No. 43-013-32127 LEASE TYPE: STATE

Section 02 Township 09S Range 16E County DUCHESNE

Drilling Contractor LEON ROSS DRILLING RIG # 14

SPUDDED:

Date 10/13/2000

Time 4:05 PM

How DRY

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

Reported by GARY DIETZ

Telephone # 1-435-823-4211

Date 10/16/2000 Signed: CHD

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	Utah	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	43-013-31785	Wells Draw #5-5	SW/NW	5	9S	16E	Duchesne	October 18, 2000	10/19/2000

WELL 5 COMMENTS

10-31-00

- ACTION CODES (See Department of Oil & Gas)
- A - Existing well entity transferred to new owner
  - B - New well entity registered
  - C - Re-assigned from one existing entity to another existing entity
  - D - Re-assignment of ownership of well to new owner
  - E - Other (See Department of Oil & Gas)

NOTE: Use COMMENTS section to explain any discrepancies between data and existing records.

*[Signature]*  
 S. James  
 Production Clerk  
 October 31, 2000  
 Date



October 16, 2000

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

Dear Carol:

Please find enclosed DOGM form 5. For the South Wells Draw 13-2-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER  
Drilling Foreman

Enclosures

pw

RECEIVED  
OCT 17 2000  
DIVISION OF  
OIL, GAS AND MINING

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

5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 21839</b>	
1. <b>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.)	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> 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>South Wells Draw</b>
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>	9. <b># 13-2-9-16</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>696' FNL &amp; 644' FWL SW/NW</b>	10. FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 2, T9s, R16E</b>
14. API NUMBER <b>43-013-32127</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5524'</b>
	12. COUNTY OR PARISH <b>Duchesne</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>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 @ 4:00PM on 10/13/00. 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 gl. Cement will follow.

RECEIVED  
OCT 17 2000  
DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct

SIGNED *ATW* TITLE Drilling Foreman DATE 10/16/2000

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side



October 30, 2000

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

Dear Carol:

Please find enclosed form 5. South Wells Draw 13-2-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER  
Drilling Foreman

Enclosures

*pw*

**RECEIVED**

NOV 01 2000

DIVISION OF  
OIL, GAS AND MINING

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO <b>ML - 21839</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  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>N/A</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>South Wells Draw</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. <b># 13-2-9-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>696' FNL &amp; 644' FWL SW/NW</b>		10. FIELD AND POOL, OR WILDCAT <b>Monument Butte</b>	
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 2, T9s, R16E</b>	
14. API NUMBER <b>43-013-32127</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5524'</b>	12. COUNTY OR PARISH <b>Duchesne</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>(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>
---	--

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 10/23/00 thru 10/29/00.

MIRU Union Drilling Rig # 14. Set equipment on 10/26/00. Nipple up BOP's. Test BOP's, Choke Manifold, TIW, & Kelly. to 2,000 psi. Test 85/8" csgn. To 1,500 psi. Roosevelt office of DOGM, Vernal office of BLM, was notified by phone. PU & MU bit #1 drill 77/8" hole with air mist to a depth of 3810'. Load hole with water and TOH for fluid bit #2.

18 I hereby certify that the foregoing is true and correct

SIGNED *Pat Wiseman* TITLE Drilling Foreman DATE 10/30/2000

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY \_\_\_\_\_

\* See Instructions On Reverse Side

**RECEIVED**

NOV 01 2000

DIVISION OF  
OIL, GAS AND MINING



November 6, 2000

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

Dear Carol:

Please find enclosed DOGM form -5. For the South Wells Draw 13-2-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER  
Drilling Foreman

Enclosures

*pw*

**RECEIVED**

NOV 08 2000

DIVISION OF  
OIL, GAS AND MINING

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML - 21839</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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> 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>South Wells Draw</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. <b># 13-2-9-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>696' FNL &amp; 644' FWL SW/NW</b>		10 FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>	
		11 SEC. T, R, M, OR BLK. AND SURVEY OR AREA <b>Sec 2, T9s, R16E</b>	
14 API NUMBER <b>43-013-32127</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5524'</b>	12 COUNTY OR PARISH <b>Duchesne</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"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<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.)\*

Weekly status for the period of 10/30/00 thru 11/6/00

PU & MU bit #2, MM, & BHA. Drill 77/8" hole with water based mud to a depth of 5845'. Lay down drill string and BHA. Open hole log. PU & MU 1 jt 51/2" J-55 15.5# CSGN. float collar, 136 jt's 51/2" J-55 15.5# CSGN. Set @ 5832/KB. Cement with the following; \*275 sks Premlite II w/10% GEL. & 3% KCL mixed to 11 ppg >3.43 YLD. \*500 sks 50/50 POZ w/3% GEL. & 3% KCL mixed to 14.4 ppg. >1.23 YLD. \* bbls cement to surface. Bump plug to 2123 psi. Nipple down BOP's. Drop slips with 68,000#. Release rig @ 8:00pm on 11/01/00. WOC

18 I hereby certify that the foregoing is true and correct

SIGNED *Pat Wisene* TITLE Drilling Foreman DATE 11/02/2000

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

**RECEIVED**

NOV 08 2000

DIVISION OF  
OIL, GAS AND MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5832.06

PBD=5795'

LAST CASING 8 5/8" SET AT 302.34

OPERATOR Inland Production Company

DATUM 10' KB

WELL South Wells Draw 13-2-9-16

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

FIELD/PROSPECT Monument Butte

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

CONTRACTOR & RIG # Union # 14

TD DRILLER 5845' LOGGER 5845'

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					14
136	5 1/2"	Maverick LT&C csg	15.5#	J-55	8rd	A	5785.66
		Float collar (auto fill)			8rd	A	0.65
1	5 1/2"	Maverick LT&C csg	15.5#	J-55	8rd	A	35.15
		<b>GUIDE</b> shoe			8rd	A	0.6

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5836.06
TOTAL LENGTH OF STRING	5836.06	137	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	148.27	4	CASING SET DEPTH	<b>5832.06</b>

TOTAL	5969.08	141	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	5969.08	141	
TIMING	1ST STAGE	2nd STAGE	
BEGIN RUN CSG.	10:00am		GOOD CIRC THRU JOB <u>YES</u>
CSG. IN HOLE	1:30pm		Bbls CMT CIRC TO SURFACE <u>8</u>
BEGIN CIRC	1:30pm	2:52pm	RECIPROCATED PIPE FOR <u>15 mins.</u> THRU <u>6'</u> FT STROKE
BEGIN PUMP CMT	3:00pm	3:28pm	DID BACK PRES. VALVE HOLD ? <u>YES</u>
BEGIN DSPL. CMT		3:52pm	BUMPED PLUG TO <u>2123</u> PSI
PLUG DOWN		4:14pm	

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	

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CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3. Then one every third collar for a total of 20.	NOV 9 8 2000
	DIVISION OF OIL, GAS AND MINING



December 11, 2000

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

Dear Carol;

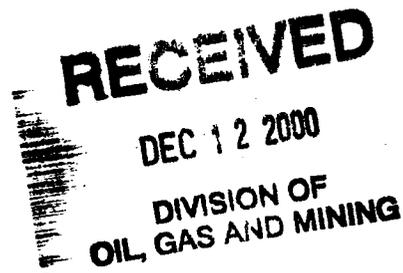
Please find enclosed DOGM form 5; weekly status report for the South Wells Draw 13-2-9-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz  
Completion Foreman

Enclosures

gd



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

		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-21839</b>	
1. <b>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.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  NA	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>South Wells Draw</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. WELL NO. <b>13-2-9-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>696' FNL &amp; 644' FWL SW/NW</b>		10. FIELD AND POOL, OR WILDCAT  <b>Monument Butte</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Section 2, T9S, R16E</b>	
14. API NUMBER <b>43-013-32127</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5524' GR</b>	12. COUNTY OR PARISH <b>Duchesne</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"/>	WATER SHUT-OFF <input type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
	FRACTURE TREATMENT <input type="checkbox"/>
	ALTERING CASING <input type="checkbox"/>
	SHOOTING OR ACIDIZING <input type="checkbox"/>
	ABANDONMENT* <input type="checkbox"/>
	(OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Status report for time period 12/4/00 through 12/10/00.  
Subject well had completion procedures initiated on 12/4/2000. A total of three 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. Well began producing on pump on 12/8/00.

**RECEIVED**

**DEC 12 2000**

**DIVISION OF OIL, GAS AND MINING**

18 I hereby certify that the foregoing is true and correct

SIGNED <u><i>Gary Dietz</i></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 27, 2000

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

Re: South Wells Draw 13-2-9-16  
SW SW Sec. 2-9S-16E  
Duchesne, UT

Dear Ms. Carol Daneils

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

If you should have any questions, please contact me at (303) 893-0102 ext. 1441

Sincerely,

Cyndee Miller  
Operations Secretary

Enclosures

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

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

**RECEIVED**

JAN 08 2001

DIVISION OF  
OIL, GAS AND MINING

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

FORM APPROVED

OMB NO. 1004-0137

Expires: February 28, 1995

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-21839

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME, WELL NO.

SOUTH WELLS DRAW 13-2-9-16

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

9. API WELL NO.

43-013-32127

10. FIELD AND POOL OR WILDCAT

MONUMENT BUTTE

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

At Surface

SW SW 696' FNL 644' FWL

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

SEC 2., T9S, R16E

At top prod. Interval reported below

At total depth

14. PERMIT NO.

43-013-32127

DATE ISSUED

1/10/00

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

15. DATE SPUDDED

10/13/00

16. DATE T.D. REACHED

11/02/00

17. DATE COMPL. (Ready to prod.)

12/08/00

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

5524'

19. ELEV. CASINGHEAD

5514'

20. TOTAL DEPTH, MD & TVD

5845

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

5782

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

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

DIGLSPGR TD TO SURFACE CASING CDL/CNL/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	Prem Lite liw/10% Gel & 3% KCL	
5 1/2	15.5	5845	7 7/8	50/50 Pox w/2% 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 @
						5398.89	5296.97

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
(Csd) 4938-4948'	0.38	80
(D1sds) 4778-80'	0.38	24
(A3 sds) 5305-09' & 5311-17'	0.38	40

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4938-4948'	w/ 75,000# 20/40 sd in 569 bbls fluid
4778-4780'	w/ 24,960# 20/40 sd in 229 bbls fluid
5305-5309' & 5311-5317'	w/ 37,400# 20/40 sd in 350 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
	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			---	74.5	67.6	13.3	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		---					

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

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

*[Signature]*

TITLE

Manager, Development Operations

DATE

12/27/00

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TRUE
				MEAS. DEPTH	VERT. DEPTH
			SOUTH WELLS DRAW 13-2-9-16	Garden Gulch Mkr Garden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr B Limestone Mkr Castle Peak Basal Carbonate Total Depth (LOGGERS)	3748 4066 4326 4590 4623 4746 4993 5120 5600 0 5845

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

(See other instructions on reverse side)

*HAIRY VOLE*

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-21839

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME, WELL NO.

SOUTH WELLS DRAW 13-2-9-16

9. API WELL NO.

43-013-32127

10. FIELD AND POOL OR WILDCAT

MONUMENT BUTTE

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

SEC 2., T9S, R16E

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

SW SW 696' FSL 644' FWL Sec. 2, T9S, R16E

At top prod. Interval reported below

At total depth

14. PERMIT NO. 43-013-32127 DATE ISSUED 1/10/00

12. COUNTY OR PARISH DUCHESNE

13. STATE UT

15. DATE SPUNDED 10/13/00

16. DATE T.D. REACHED 11/02/00

17. DATE COMPL. (Ready to prod.) 12/08/00

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5563' GR

19. ELEV. CASINGHEAD 5514'

20. TOTAL DEPTH, MD & TVD 5845'

21. PLUG BACK T.D., MD & TVD 5782'

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)\*

Lower Green River 4774'-5307'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGLISP\GR TD TO SURFACE CASING CDL\CNL\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"	141 sx Class "G" cmt.	
5 1/2"	15.5#	5832'	7 7/8"	275 sx Premlite II & 500 sx 50/50 Poz	

29.

**LINER RECORD**

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

30.

**TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	EOT @	TA @
	5398.89	5296.97

31.

**PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	NUMBER
(Csd) 4938-4958'	0.38	80
(D1sds) 4774-80'	0.38	24
(A3 sds) 5305-09' & 5311-17'	0.38	40

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4938-4958'	w/ 75,000# 20/40 sd in 569 bbls fluid
4774-4780'	w/ 24,960# 20/40 sd in 229 bbls fluid
5305-5309' & 5311-5317'	w/ 37,400# 20/40 sd in 350 bbls fluid

33.\*

**PRODUCTION**

DATE FIRST PRODUCTION 12/8/2000	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15.5' RHAC Pump				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day avg	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ----->	OIL--BBL. 74.5	GAS--MCF. 67.6	WATER--BBL. 13.3
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

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

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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 Joyce L. McLaughlin TITLE Regulatory Specialist DATE 11/21/01

Joyce L. McLaughlin

BDH

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			SOUTH WELLS DRAW 13-2-9-16			
				Garden Gulch Mkr	3748	
				Garden Gulch 2	4066	
				Point 3 Mkr	4326	
				X Mkr	4590	
				Y-Mkr	4623	
				Douglas Creek Mkr	4746	
				BiCarbonate Mkr	4993	
				B Limestone Mkr	5120	
				Castle Peak	5600	
				Basal Carbonate	0	
				Total Depth (LOGGERS)	5845	

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

6. Lease Designation and Serial No. <b>ML-21839</b>
8. If Indian, Allottee or Tribe Name <b>NA</b>
7. If unit or CA, Agreement Designation <b>Monument Butte South</b>
8. Well Name and No. <b>South Wells Draw 13-2</b>
9. API Well No. <b>43-013-32127</b>
10. Field and Pool, or Exploratory Area <b>Monument Butte</b>
11. County or Parish, State <b>Duchesne Co., Utah</b>

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other
2. Name of Operator <b>INLAND PRODUCTION COMPANY</b>
3. Address and Telephone No. <b>410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SE/SW    696' fsl, 644' fwl    Sec. 2, T9S, R16E</b>

**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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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 11/1/01  
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.



*UIC-282.3*

November 1, 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  
South Wells Draw #13-2-9-16  
Monument Butte Field, Monument Butte South Unit, Lease #ML-21839  
Section 2-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the South Wells Draw #13-2-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Monument Butte South Unit.

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

Sincerely,

*W. T. War*  
W. T. War  
Vice President

*Copy*

**RECEIVED**

NOV 12 2002

DIVISION OF  
OIL, GAS AND MINING

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**SOUTH WELLS DRAW FEDERAL #13-2-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**MONUMENT BUTTE SOUTH UNIT**  
**LEASE #ML-21839**  
**NOVEMBER 1, 2001**

**TABLE OF CONTENTS**

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 - APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM - SOUTH WELLS DRAW #13-2-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM - SOUTH WELLS DRAW 5-2-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM - SOUTH WELLS DRAW 11-2-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM - SOUTH WELLS DRAW 12-2-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM - SOUTH WELLS DRAW 14-2-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM - JONAH 3-11-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED DEC. 6, 2000
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

Well Name and number: South Wells Draw 13-2-9-16  
Field or Unit name: Monument Butte (Green River) Mon Butte South Unit Lease No. ML-21839  
Well Location: QQ SE/SW section 2 township 9S range 16E county Duchesne

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: 43-013-32127

Proposed injection interval: from 3748' to 5600'  
Proposed maximum injection: rate 500 bpd pressure 2200 psig  
Proposed injection zone contains  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 *William J. War*  
Title: Vice President Date 11/11/02  
Phone No: (303) 893-0102

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

Comments:

RECEIVED

NOV 12 2002

DIVISION OF  
OIL, GAS AND MINING

# South Wells Draw #13-2

Spud Date: 10/13/2000  
 Put on Production: 12/08/2000  
 GL: 5563' KB: 5573'

Initial Production: 74.5 BOPD,  
 67.6 MCFD, 13.3 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 4-3/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (262#) **297'**  
 DEPTH LANDED: 302'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sac Class "G" cement, set 5 bbls cement to surf

### PRODUCTION CASING

CSO SIZE: 5-1/2"  
 GRADE: J-55 & N-80  
 WEIGHT: 15.5# & 17.0#  
 LENGTH: 144 jts. (5836.06')  
 DEPTH LANDED: 5932'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 500 sac 50/50 POZ.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.9#  
 NO. OF JOINTS: 163 jts. (5286.97')  
 TUBING ANCHOR: 5296.97'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: NOT @ 5298.89'  
 BN LANDED AT: 5332.32' KB

### FRAC JOB

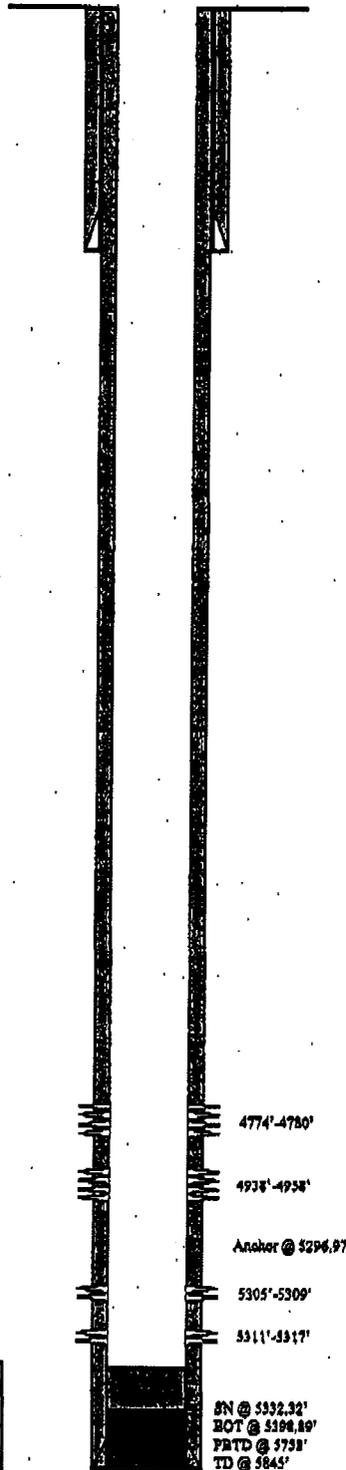
2/5/00 5305'-5317' Frac A3 sand as follows:  
 37,400# 20/40 sand in 350 bbls Viking L-25 fluid. Perfs broke down @ 2224 psi. Treated @ avg press of 2300 psi w/avg rate of 27 BPM. ISIP 2700 psi.

2/5/00 4774'-4780' Frac D1 sand as follows:  
 Set plug @ 4800'.  
 24,900# 20/40 sand in 229 bbls Viking L-25 fluid. Perfs broke down @ 1750 psi. Treated @ avg press of 2300 psi w/avg rate of 26 BPM. ISIP 2250 psi, flow back on 12/64 choke @ 1 BPM, flowed 4.5 hrs and died.

2/5/00 4938'-4958' Frac C sand as follows:  
 Set plug @ 5090'.  
 Unable to break down perfs. Dump 15 gal 15% HCL across perfs. Frac with 75,000# 20/40 sand in 569 bbls Viking L-25 fluid. Perfs broke down @ 3110 psi. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 2420 psi.

### PERFORATION RECORD

2/5/00	4774'-4780'	4 JSPF	24 holes
2/5/00	4938'-4958'	4 JSPF	80 holes
2/5/00	5305'-5309'	4 JSPF	16 holes
2/5/00	5311'-5317'	4 JSPF	24 holes





**Inland Resources Inc.**

South Wells Draw #13-2-9-16

696' FSL & 644' FWL

SESW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32127; Lease #ML-21839

**WORK PROCEDURE FOR INJECTION CONVERSION**

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

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

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 **The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

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

See Attachment A.

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

Approval is requested to convert the South Wells Draw #13-2-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Monument Butte South Unit.

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

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

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

The injection zone is in the Green River Formation. In the South Wells Draw #13-2-9-16 well, the proposed injection zone is from Garden Gulch to Basal Limestone (3748' - 5600'). The confining strata directly above and below the injection zones are the Garden Gulch and Castle Peak Members of the Green River Formation, with the Garden Gulch Marker top at 3748' and the Castle Peak top at 5600'.

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

The referenced log for the South Wells Draw #13-2-9-16 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #ML-21839) in the Monument Butte (Green River) Field, Monument Butte South Unit, and this request is for administrative approval.

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

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

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

All logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  - 2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 302' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5845' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  - 2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2200 psig.

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

The minimum fracture gradient for the South Wells Draw #13-2-9-16, for existing perforations (4938' - 5317') calculates at 0.90 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2200 psig. We may add additional perforations between 3748' and 5600'. See Attachment G through G-1.

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

In the South Wells Draw #13-2-9-16, the proposed injection zone (3748' - 5600') is in the Garden Gulch to Basal limestone members of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-5.

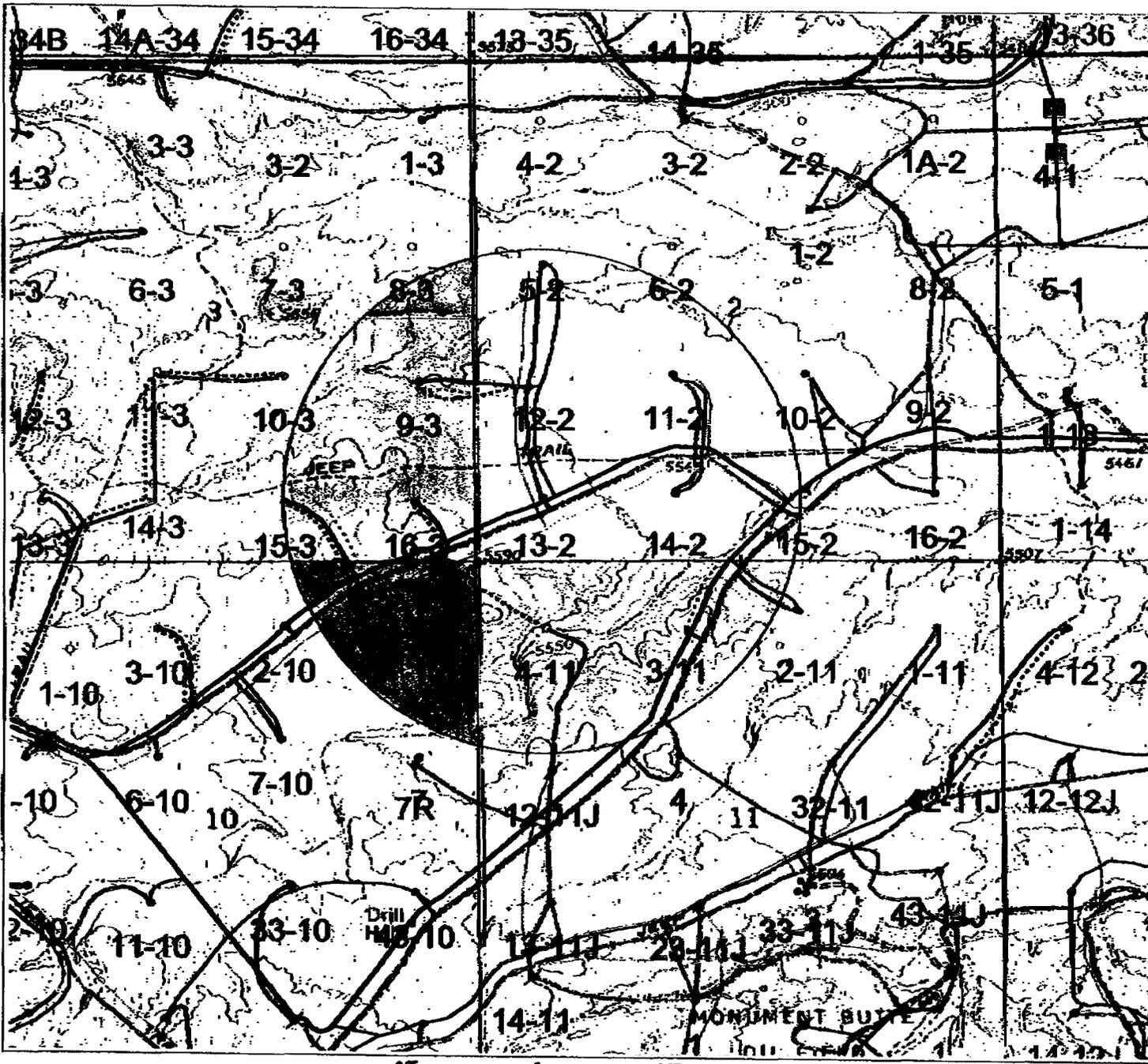
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



- 1/2 Mile Radius
- ◆ water ways
- Well Categories
- ◆ MW ML-21839
  - ◆ SWP U-091500
  - WD UWA 11279
  - ◆ GAS U-47172
  - ◆ OHT RIM 7013
  - SUPERVISOR
  - ◆ ASB
  - LIC
- Compressor Stations
- Gas 20 Inch
  - Gas 6 Inch and larger
  - Proposed 6 Inch Gas
  - Gas 4 Inch and smaller
  - Proposed Gas
  - Gas Surber
  - Petroleum Gas Line
  - Water Gas Line
  - Compressor - Other
- Gas Meters
- Water 6 Inch
  - Water 4 Inch
  - Water 2 Inch - High Pressure
  - Water 2 Inch - Low
  - Water 2 to 3 Inch
  - Proposed Water
  - Injection Water Line
- Injection Stations
- Pump Stations
- Under (lighted)
  - Over
  - Over
  - Proposed
  - Gas Trunk
  - Hydro

N

Attachment A  
S. Wells Draw 13-2-9-16  
Sec. 2-T9S-R16E

40 E 7th Street Suite 700  
Denver, Colorado 80202  
(303) 733-3300

Area Map

E-WATA BASIN, UTAH

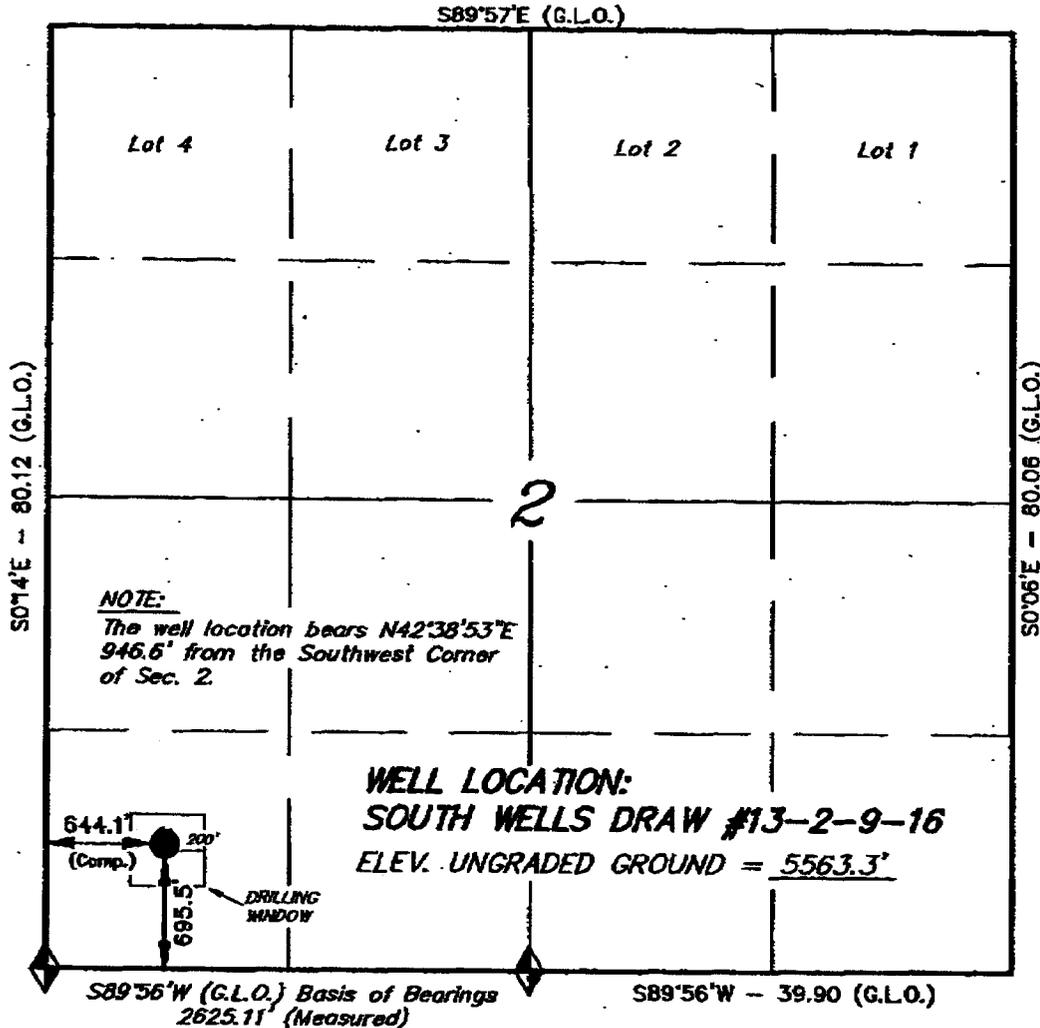
Duckhorn & T. Inland Consulting, Utah

G.C. Smith

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

**INLAND PRODUCTION COMPANY**

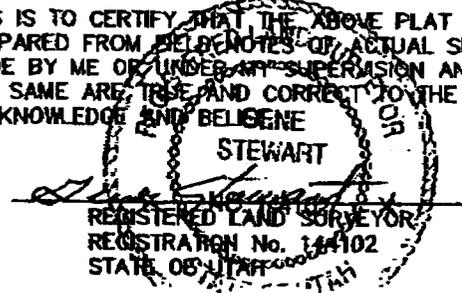
WELL LOCATION, SOUTH WELLS DRAW  
#13-2-9-16, LOCATED AS SHOWN IN THE  
SW 1/4 SW 1/4 OF SECTION 2, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



Attachment A-1



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 BELIEVE



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

SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 10-31-98	WEATHER: FAIR
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

Nov. 12. 2002 12:27PM INLAND RESOURCES No. 9926 P. 13

*Attachment B*  
Page 1

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East, SLM</u> Section 11: E/2, NW/4, NE/4SW/4 Section 12: NW/4 Section 14: N/2NE/4, SE/4NE/4, NE/4SE/4	U-096550 HBP	Inland Production Company	(Surface Rights) USA
2	<u>Township 9 South, Range 16 East, SLM</u> Section 10: N/2NE/4	U-49092 HBP	Inland Production Company Yates Petroleum Corporation Yates Drilling Company Myco Industries, Inc. Abo Petroleum Corporation	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East, SLM</u> Section 2: All	ML-21839 HBP	Inland Production Company Davis Resources Davis Bros.	(Surface Rights) State

## Attachment B

Page 2

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4.	<u>Township 9 South, Range 16 East, SLM</u> Section 3: SE/4 Section 4: SE/4SW/4 Section 8: SW/4NE/4, SE/4 Section 9: SW/4SW/4 Section 17: NE/4 Section 18: Lots 3,4, E/2SW/4, SW/4 Section 19: Lots 1,2, NE/4, E/2NW/4 Section 21: N/2 Section 22: W/2NE/4, SE/4NE/4, NW/4	U-64379 HBP	Inland Production Company Yates Petroleum Corporation	(Surface Rights) USA
5.	<u>Township 9 South, Range 16 East, SLM</u> Section 3: Lots 1, 2, S/2NE/4	U-47172 HBP	El Paso Production Oil & Gas Company	(Surface Rights) USA

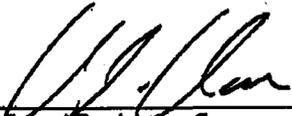
13-2-9-16-inj.doc

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
South Wells Draw #13-2-9-16

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

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

Sworn to and subscribed before me this \_\_\_1st\_\_\_ day of \_\_\_November\_\_\_, 2001.

Notary Public in and for the State of Colorado: 

My Commission Expires: \_\_\_August 29, 2005\_\_\_

# South Wells Draw #13-2

Spud Date: 10/13/2000  
 Put on Production: 12/08/2000  
 GL: 3363' KB: 5373'

Initial Production: 74.5 BOPD,  
 67.6 MCFD, 13.3 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 4-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (807') **291'**  
 DEPTH LANDED: 502'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sac Class "G" cement, set 5 bbls cement to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55 & N-80  
 WEIGHT: 15.5# & 17.0#  
 LENGTH: 144 jts. (5836.06')  
 DEPTH LANDED: 5832'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sac Prem. Lite II mixed & 500 sac 50/80 POZ.

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 143 jts (3286.97')  
 TUBING ANCHOR: 5296.97'  
 BEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ROT @ 5398.89'  
 SN LANDED AT: 5332.32' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1 1/2" weight bars; 40-3/4" scraper rods; 65-3/4" slick,  
 40-3/4" scraper rods, 2-6', 1-4' pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" BHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: DIGL/SPQR/CAL

**FRAC JOB**

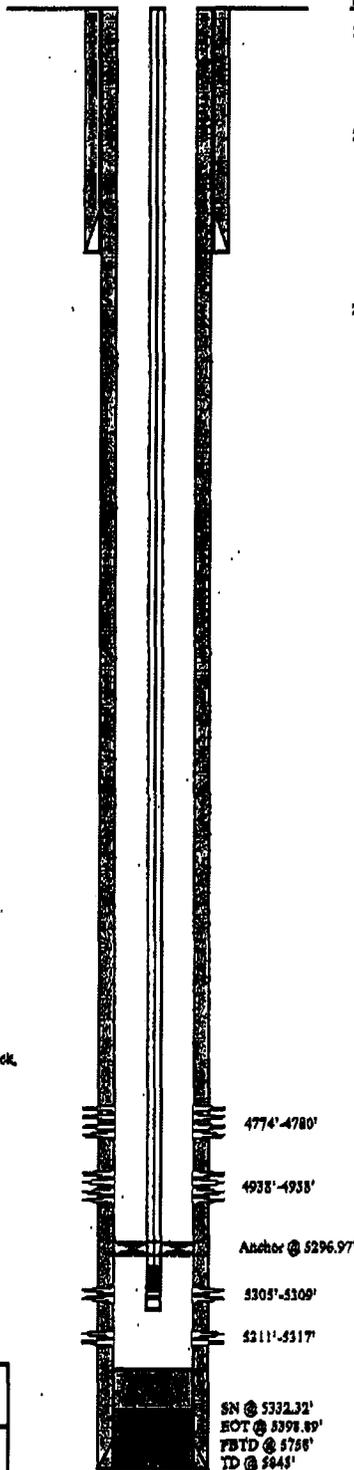
2/5/00 5305'-5317' Frac A3 sand as follows:  
 37,400# 20/40 sand in 350 bbls Viking I-25 fluid. Perfs broke down @ 3224 psi. Treated @ avg pres of 2300 psi w/avg rate of 27 BPM. ISIP 2700 psi.

2/5/00 4774'-4780' Frac D1 sand as follows:  
 Set plug @ 4800'.  
 24,960# 20/40 sand in 229 bbls Viking I-25 fluid. Perfs broke down @ 1750 psi. Treated @ avg pres of 2300 psi w/avg rate of 26 BPM. ISIP 2350 psi, flow back on 12/54 choke @ 1 BPM, flowed 4.5 hrs and died.

2/5/00 4938'-4958' Frac C sand as follows:  
 Set plug @ 5090'.  
 Unable to break down perfs. Dump 13 gal 15% HCL across perfs. Frac with 75,000# 20/40 sand in 569 bbls Viking I-25 fluid. Perfs broke down @ 3130 psi. Treated @ avg pres of 1900 psi w/avg rate of 30 BPM. ISIP 2420 psi.

**PERFORATION RECORD**

2/5/00	4774'-4780'	4 ISPF	24 holes
2/5/00	4938'-4958'	4 ISPF	80 holes
2/5/00	5305'-5309'	4 ISPF	16 holes
2/5/00	5311'-5317'	4 ISPF	24 holes



**Inland Resources Inc.**  
 South Wells Draw #13-2-9-16  
 696' FSL & 644' FWL  
 SESW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32127; Lease #ML-21839

# South Wells Draw #5-2

Spud Date: 10/30/2000  
 Put on Production: 12/24/2000  
 GL: 5524' KB: 5534'

Initial Production: 97.5 BOPD,  
 143.3 MCFD, 18.3 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (317.52')  
 CASING LANDED: 323.82' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sac Class "C" cement

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts. (5628')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 5933'  
 CEMENT DATA: 275 sac Prem. Lite II mixed & 500 sac 50/50 POZ.  
 CEMENT TOP AT: 7 per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 175 jts (3663.90')  
 TUBING ANCHOR: 3672.80'  
 SEATING NEFFLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ROT @ 5742.15'  
 SN LANDED AT: 5708.14' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 4-1-1/2" weight rods, 10-3/4" scraper rods, 123-3/4" alloy rods, 90-3/4" scraper rods, 1-2', 1-6', 1-8' pony rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14.3 RHAC  
 STROKE LENGTH: 96"  
 PUMP SPEED, SPM: 4.5  
 LOGS: Dual Lamlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL

**FRAC JOB**

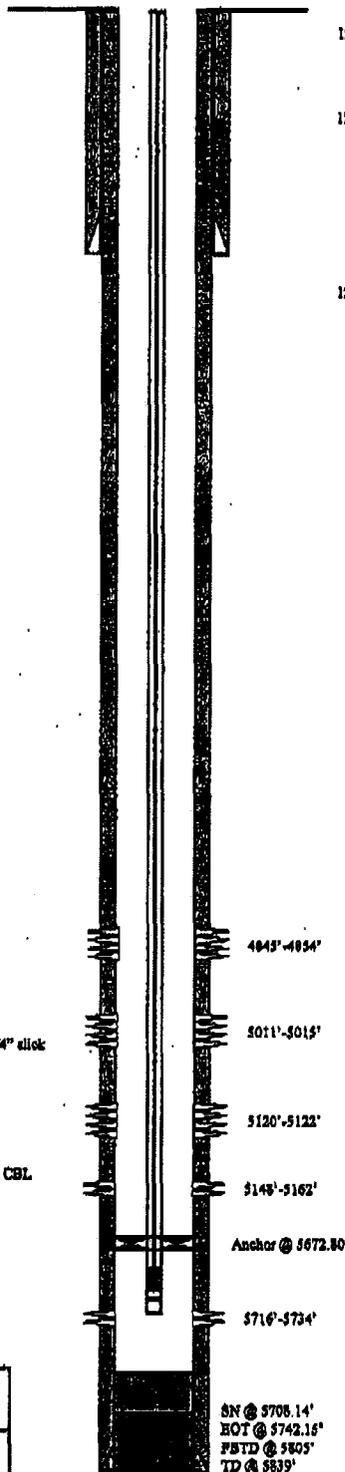
12/18/00 5716'-5734' Frac CP-1 sands as follows:  
 32,080# 20/40 sand in 609 bbis Viking L-25 fluid. Perfs broke down @ 4413 psi. ISIP 2080 psi.

12/18/00 5148'-5162'  
 3120'-5122'  
 5011'-5015' Frac B2 & C sands as follows:  
 Set plug at 5203'.  
 91,660# 20/40 sand in 611 bbis Viking L-25 fluid. ISIP 2125 psi, flow back on 12/64 choke @ 1 BPM.

12/19/00 4845'-4854' Frac D-1 sands as follows:  
 Set plug at 4943'.  
 Perfs won't break, so treat w/ 15 gal acid, try again, still won't break, dump 15 more gal acid, still won't break. Re-perf zone 4845'-4854', dump 15 gal acid, perfs break at 4800psi. Frac with 48,300# 20/40 sand in 403 bbis Viking L-25 fluid. Perfs broke down @ 3653 psi. Treat @ 1850 psi at 26.5 BPM. ISIP 2160 psi, flow back on 12/64 choke for 3 hrs, then closed.

**PERFORATION RECORD**

2/18/00	5716'-5734'	4 JSPP	72 holes
2/18/00	5148'-5162'	4 JSPP	56 holes
2/18/00	5120'-5122'	4 JSPP	8 holes
2/18/00	5011'-5015'	4 JSPP	16 holes
2/19/00	4845'-4854'	4 JSPP	72 holes



**Inland Resources Inc.**  
 South Wells Draw #5-2-9-16  
 2170' ENL & 675' FWL  
 SWNW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32124; Lease WML-21839

# South Wells Draw #11-2-9-16

Spud Date: 4/29/2000  
Put on Injection: N/A  
GL: 5516' KB: 5526'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-3/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. 288.27'  
DEPTH LANDED: 300.12'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 nos Class "G" cmt, w/ 2% CaCl2 and 1/4%k C.F.

### FRAC JOB

Waiting on Completion 11/2/2000

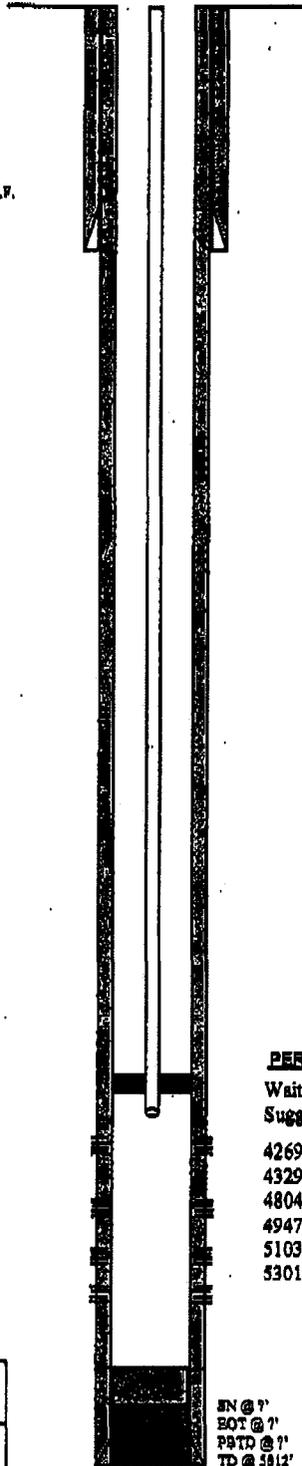
### PRODUCTION CASING

CSG SIZE: 4-1/2"  
GRADE: J-55  
WEIGHT: 11.4#  
LENGTH: 136 jts. (5798.94')  
DEPTH LANDED: 5808.47'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 nos Prem Lite II & 500 nos 50/50 POZ  
CEMENT TOP AT: ?

### TUBING

SIZE/GRADE/WT.: Waiting on Completion 11/2/2000  
NO. OF JOINTS:  
PACKER:  
SEATING NIPPLE:  
TOTAL STRING LENGTH:  
SN LANDED AT:

### SUCKER RODS



### PERFORATION RECORD

Waiting on Completion 11/2/2000  
Suggested perf @ are:

- 4269'-4275'
- 4329'-4332'
- 4804'-4806'
- 4947'-4953'
- 5103'-5110'
- 5301'-5310'

SN @ ?'  
BOT @ ?'  
PSTD @ ?'  
TD @ 5812'

 **Inland Resources Inc.**  
South Wells Draw #11-2-9-16  
1967 FWL 1980 FSL  
NESE Section 2-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32125; Lease #ML-21839

# South Wells Draw #12-2

Spud Date: 10/10/2000  
 Put on Production: 12/14/2000  
 GL: 5524' KB: 5534'

Initial Production: 138.4 BOPD,  
 29.9 MCFD, 31.9 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-3/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (282')  
 DEPTH LANDED: 307'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sac Class "G" cement, set 5 bbls cement to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5802.42')  
 DEPTH LANDED: 5808'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sac Prem. Lite II mixed & 450 sac 50/50 POZ.  
 CEMENT TOP AT: 7 per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 174 jts. (5286.97')  
 TUBING ANCHOR: 5639.35'  
 SEATING NECKLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: BOT @ 5741.34'  
 SN LANDED AT: 5707.28' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1-1/2" weight rods, 10-3/4" scraper rods, 124-3/4" slick rods, 89-3/4" scraper rods, 1-3/4" scraper rod, 1-8" pony rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15, SRHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4  
 LOGS: Dual Lateral, GR, SP, Spectral Density-Dual Spaced Neutron, CBL

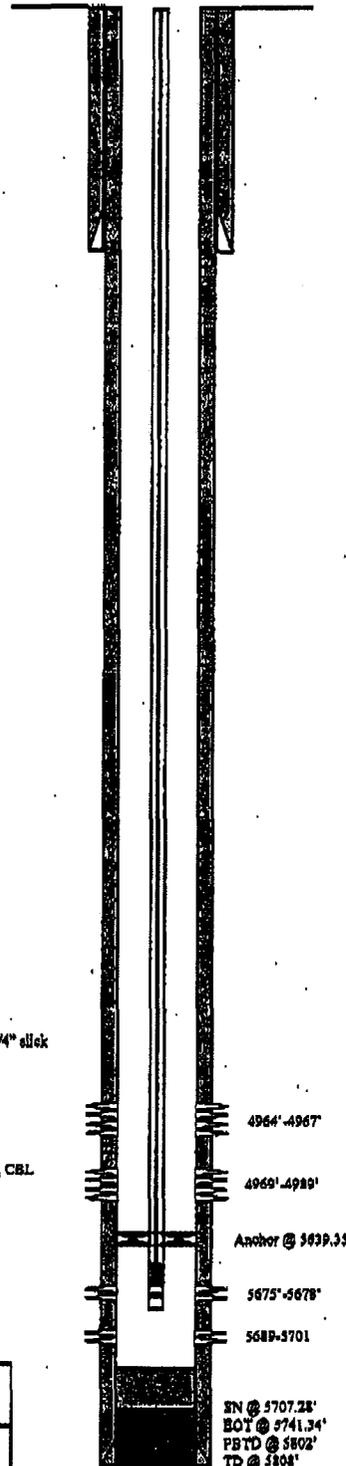
**FRAC JOB**

12/11/00 5689'-5701'  
 5675'-5687' Frac CP-1 sands as follows:  
 75,000# 20/40 sand in 294 bbls Viking I-25 fluid. Perfs broke down @ 3010 psi. Treated @ avg press of 1750 psi w/avg rate of 20 BPM. ISIP 2170 psi.

12/11/00 4964'-4967'  
 4969'-4989' Frac C sand as follows:  
 Set plug at 4800'.  
 117,540# 20/40 sand in 444 bbls Viking L-25 fluid. Perfs broke down @ 2280 psi. Treated @ avg press of 1800 psi w/avg rate of 29 BPM. ISIP 2130 psi. Flow bank on 12/64 stroke @ 1 BPM, flowed 4 hrs and died.

**PERFORATION RECORD**

2/11/00	5689'-5701'	4 JSFF	48 holes
2/11/00	5675'-5687'	4 JSFF	12 holes
2/11/00	4969'-4989'	4 JSFF	80 holes
2/11/00	4964'-4967'	4 JSFF	12 holes



**Inland Resources Inc.**  
 South Wells Draw #12-2-9-16  
 1860' FSL & 509' FWL  
 NWSW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32126; Lease #ML-21839

# South Wells Draw State #14-2-9-16

Spud Date: 5/27/2000  
Put on Production: 6/05/2000  
GL: 5547' KB: 5557'

Initial Production: 199 BOPD,  
248 MCFD, 3 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 Jts. (30.71')  
DEPTH LANDED: 305.71'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 lbs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 Jts. (5800.39')  
DEPTH LANDED: 5789'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sts 30/50 POZ.

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 173 Jts  
TUBING ANCHOR: 5235'  
SEATING NEPFL: 2-3/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5362'  
SN LANDED AT: 5299'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' 8M  
SUCKER RODS: 4-1-1/2" weight bars, 10-3/4" scraped rods, 107-3/4" plain rods, 90-3/4" scraped rods, 1-4'-3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 14-1/2" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4.5  
LOGS: Dual Lateralog, GR, SP, Spectral Density-Dual Spatial Neutron, CBL-GR

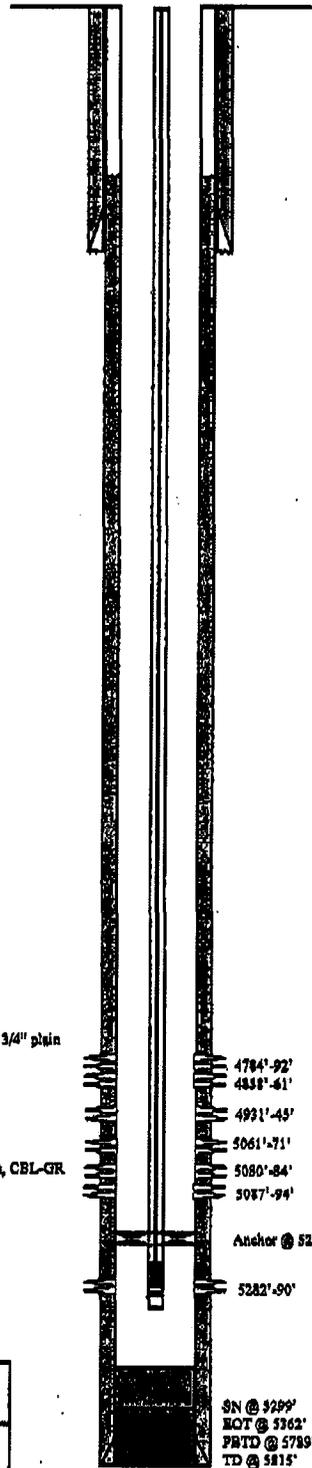
**FRAC JOB**

5/23/00 5282'-5290' Frac A sand as follows:  
75,200# 20/40 sand in 477 bbls Viking 1-25 fluid. Perf brk back @ 2770 psi. Treated @ avg press of 1500 psi w/ avg rate of 28 BPM. ISIP - 1960 psi, 3 min - 1628 psi. RD BJ. Flow back A id frac on 12/64 choke for 3 hrs & died. Rec 99 BTF

5/25/00 5061'-5084' Frac B sand as follows:  
3000 gals of Viking 1-25 psi, 75,200 lbs white 20/40 sand in 11,000 gals Viking 1-25 fluid. 5040 gals flush. Broke down at 2650 psi. 1600 psi avg. ISIP 2150 psi. 3 min 1539 psi. 477 total bbls pumped. RD BJ. Flow frac back @ .6 bpm avg rate. 54 bbls in 1.5 hrs.

5/30/00 4931'-4945' Frac C sand as follows:  
72,057# 20/40 ad in 430 bbls Viking 1-25 fluid. Hole filled w/114 bbls. Perf broke dn @ 1970 psi. Treated @ avg rate of 26.8 BPM w/ avg press of 2500 psi. Screened out w/ 8.58 sd on perf w/3822 gals flushed (1104 gals short of top perf). ISIP 3320#, 5 min 2651#. RD BJ. Flowback frac on 12/64" chk for 2 hrs & died. Rec 50 BTF

6/01/00 4784'-4861' Frac D-1 sand as follows:  
78,043# 20/40 sand in 484 bbls Viking 1-25 fluid. Hole filled w/110 bbls. Perf broke dn @ 2644 psi. Treated @ avg rate of 29 BPM w/ avg press of 1800 psi. ISIP: 2010 psi, 5-min: 1883 psi. RD BJ. Flowback frac on 12/64" chk for 3 hrs and died. Rec 110 BTF



**PERFORATION RECORD**

5/22/00	5282'-5290'	4 JSPP	31 holes
5/24/00	5081'-5071'	4 JSPP	40 holes
5/24/00	5080'-5084'	4 JSPP	18 holes
5/24/00	5087'-5094'	4 JSPP	28 holes
5/26/00	4931'-4945'	4 JSPP	56 holes
5/31/00	4784'-4792'	4 JSPP	32 holes
5/31/00	4858'-4861'	4 JSPP	12 holes

**Inland Resources Inc.**  
South Wells Draw State #14-2-9-16  
725 FSL 1980 FWL  
SESW Section 2-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32128; Lease #ML-21839

SN @ 5299'  
EOT @ 5362'  
PRTD @ 5789'  
TD @ 5815'

# Jonah Federal #3-11-9-16

Spud Date: 9/13/2000  
Put on Production: 10/31/2000  
GL: 5573' KB: 5583'

Initial Production: 256 BOPD,  
160 MCFD, 72 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts. (20,71')  
DEPTH LANDED: 310'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 155 ans Clean "C" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 131 jts. (5612.72')  
DEPTH LANDED: 5609'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 pk Prom. Lite II mixed & 425 ex 50/50 POZ.

**TUBING**

SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#  
NO. OF JOINTS: 176 jts  
TUBING ANCHOR: 5341'  
SEATING NEFFLE: 2-3/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5471'  
SN LANDED AT: 5406'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' 3M  
SUCKER RODS: 4-1-1/2" weight bars, 10-3/4" serrated rods, 112 - 3/4" plain rods, 75 - 3/4" serrated rods, 4 2-3/4" x 4'; 1-3/4" x 6'; 1-3/4" x 8' pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16" RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 5  
LOGS: Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-CR

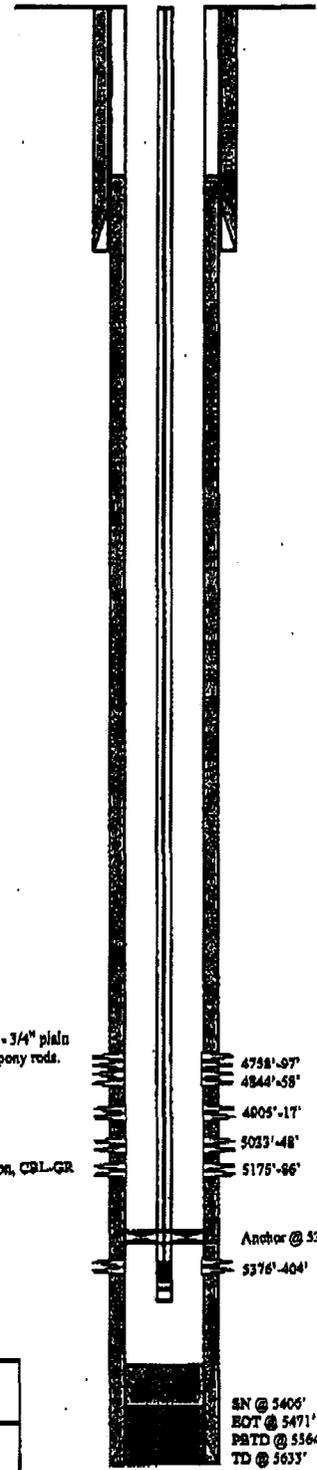
**FRAC JOB**

10/20/00 5376'-5404' Frac LODC sand as follows:  
48,104# 20/40 sand in 327 bbls Viking 1-25 Fluid. Perf broke back @ 3277 psi. Treated @ avg press of 3480 psi w/ avg rate of 27 BPM. ISIP - 3700 psi. Flow back @ 1 BPM for 1 hr & died. Res. 37 BTF. RD BJ. Rig broke down; rep. rig.

10/23/00 5175'-5186' Frac A1 sand as follows:  
2000 gals of Viking 1-25 pad, 55,500 lbs white 20/40 sand in 9999 gals Viking 1-25 fluid. 5082 gals flush. Started flow-back immediately @ 1 BPM. Flowed 106 bbls. Became stuck - recovered fish. Avg press 1750 psi; avg rate 27 BPM. ISIP 2080 psi. Pumped 397 bbls total.

10/24/00 4905'-5048' Frac B/C sand as follows:  
93,138# 20/40 sand in 563 bbls Viking 1-25 fluid. Perf broke down @ 2177 psi. Treated @ avg rate of 28.9 BPM w/ avg press of 1845 psi, ISIP: 2213 psi, 5-min: 2164 psi. Left pressure on well. RD EJ. Estimate 1151 BWTR.

10/25/00 4758'-4858' Frac D sand as follows:  
3500 gals Viking pad, 30,800# 20/40 sand in 315 bbls Viking 1-25 fluid. Perf broke down @ 3261 psi. Avg. press 2100 psi @ avg rate of 31.4 BPM. ISIP 2270 psi. RD BJ. Start immed flowback on 12/64" choke @ 1 BPM. Flowed 486 BTF in 8-1/2 hrs. Turned flow to production tanks.



**PERFORATION RECORD**

Date	Depth Interval	Wellbore Dia	Perforation Type	Notes
10/19/00	5376'-5382'	4 J8PF	24 holes	
10/19/00	5390'-5404'	4 J8PF	24 holes	
10/21/00	5175'-5186'	4 J8PF	44 holes	
10/24/00	4844'-4849'	4 J8PF	20 holes	
10/24/00	4856'-4858'	4 J8PF	8 holes	
10/24/00	4793'-4797'	4 J8PF	16 holes	
10/24/00	4758'-4767'	4 J8PF	36 holes	
10/24/00	5033'-5048'	4 J8PF	60 holes	
10/24/00	4905'-4908'	4 J8PF	12 holes	
10/24/00	4915'-4917'	4 J8PF	8 holes	

**Inland Resources Inc.**  
Jonah Federal #3-11-9-16  
706 FNL 2094 FWL  
NENW Section 11-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32159; Lease #UTU-096550

SN @ 5406'  
EOT @ 5471'  
PRTD @ 5364'  
TD @ 5633'

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Attachment F  
Page 1 of 3

Office (435) 722-5066  
Fax (435) 722-5727

## WATER ANALYSIS REPORT

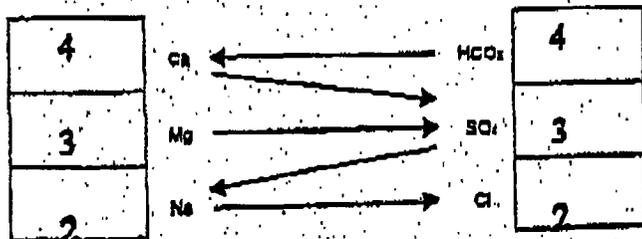
Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

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

	Analysis	mg/l(ppm)	*Mg/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	Equlv. Wt.	X	Mg/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>	47.52				
NaHCO <sub>3</sub>	64.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.45	<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

19 Mg/l  
2,080 Mg/l  
109 Mg/l

REMARKS \_\_\_\_\_

<b>Analytical Laboratory Report for:</b> <b>Inland Production</b>	 <b>UNICHEM Representative: Rick Crosby</b>
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## Production Water Analysis

Listed below please find water analysis report from: So Wells Draw, 13-2-9-16

Lab Test No:	2001401949	Sample Date:	09/26/2001
Specific Gravity:	1.015		
TDS:	21077		
pH:	9.00		

Cations:	mg/L	as:
Calcium	80	(Ca <sup>++</sup> )
Magnesium	4	(Mg <sup>++</sup> )
Sodium	13616	(Na <sup>+</sup> )
Iron	1.20	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	976	(HCO <sub>3</sub> <sup>-</sup> )
Carbonate	0	(CO <sub>3</sub> <sup>++</sup> )
Sulfate	0	(SO <sub>4</sub> <sup>++</sup> )
Chloride	6400	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

**Comments:**



**Attachment "G"**

**South Wells Draw 13-2-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5305	5317	5311	2700	0.94	2685
4774	4780	4777	2250	0.90	2238
4938	4958	4948	2420	0.92	2404
				<b>Minimum</b>	<u>2238</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.

**Frac Gradient = (ISIP + (0.433 \* Avg. Depth)) / Avg. Depth**

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



**DAILY COMPLETION REPORT**

**WELL NAME:** South Wells Draw 13-2-9-18 **Report Date:** 12/6/00 **Day:** 02 (T)  
**Operation:** New Completion **Rig:** KES #965

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 302' **Prod Csg:** 5 1/2" 15.5# @ 5832' **Csg PBTD:** 5785'  
**Tbg:** Size: 2 7/8 Wt: 6.5# **Grd:** J-55 Pkr/EOT @: 0 **BP/Sand PBTD:** 5785'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	5305-5309'	4/16			
A3 sds	5311-5317'	4/24			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 05-Dec-00 **SITP:** \_\_\_\_\_ **SICP:** 0

NU BJ Services "Ram Head" flange. RU Schlumberger and perf A3 sds @ 5305-09' & 5311-17' W/ 4 JSPF. RU BJ Services and frac A3 sds W/ 37,400# 20/40 sand in 350 bbls Viking I-25 fluid. Perfs broke dn @ 3224 psi. Treated @ ave press of 2300 psi W/ ave rate of 27 BPM. ISIP-2700 psi. Leave pressure on well. Est 374 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 24 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 350 **Oil lost/recovered today:** 0  
**Ending fluid to be recovered:** 374 **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil out:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Viking I-25 **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** A3 sands  
2500 gals of pad  
2000 gals W/ 1-5 ppg of 20/40 sand  
3600 gals W/ 5-8 ppg of 20/40 sand  
1351 gals W/ 8 ppg of 20/40 sand  
Flush W/ 5229 gals of slick water

**COSTS**

KES rig	\$849
BOP	\$130
Schlumberger-A3 sds	\$1,545
BJ Services-A3 sds	\$20,064
Frac water	\$500
IPC Supervision	\$100

**Max TP:** 3380 **Max Rate:** 30 BPM **Total fluid pmpd:** 350 bbls  
**Avg TP:** 2300 **Avg Rate:** 27 BPM **Total Prop pmpd:** 37,400#  
**ISIP:** 2700 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **15 min:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$23,188  
**TOTAL WELL COST:** \$206,141



DAILY COMPLETION REPORT

WELL NAME: South Welle Draw 13-2-9-16

Report Date: 12/6/00

Day: 02 (h)

Operation: New Completion

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 302'

Prod Csg: 5 1/2" 15.5# @ 5832'

Csg PBDT: 5785'

Tbg: Size: 2 7/8 Wt: 6.5#

Grd: J-55 Pkr/EOT @: 0

BP/Sand PBDT: 5090'

BP/Sand PBDT: 4800'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4774-4780'	4/24			
C sds	4938-4958'	4/80			
A3 sds	5305-5309'	4/16			
A3 sds	5311-5317'	4/24			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 05-Dec-00

SITP: SICIP: 2420

RU Schlumberger and run 5 1/2" HE RBP & 4" perf gun. Set plug @ 4800'. Bleed pressure off well. Rec est 2 BW. Perf D1 sds @ 4774-80' W/ 4 JSPF. RU BJ Services and frac D1 sds W/ 24,960# 20/40 sand in 229 bbls Viking I-25 fluid. Perfs broke dn @ 1750 psi. Treated @ ave press of 2200 psi W/ ave rate of 26 BPM. ISIP-2250 psi. RD BJ & WLT. Flowback D1 sd frac immediately on 12/64 choke @ 1 BPM. Zone flowed 4 1/2 hrs & died. Rec 197 BTF (est 86% of D1 frac load). SIFN W/ est 971 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered:	941	Starting oil rec to date:	0
Fluid lost/recovered today:	30	Oil lost/recovered today:	0
Ending fluid to be recovered:	971	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: D1 sands  
 1500 gals of pad  
 1000 gals W/ 1-5 ppg of 20/40 sand  
 2402 gals W/ 5-8 ppg of 20/40 sand  
 Flush W/ 4704 gals of slick water

Max TP: 2743 Max Rate: 26 BPM Total fluid pmpd: 229 bbls  
 Avg TP: 2200 Avg Rate: 26 BPM Total Prop pmpd: 24,960#  
 ISIP: 2250 5 min: 10 min: 15 min:  
 Completion Supervisor: Gary Dietz

COSTS

KES rig	\$849
RBP rental	\$500
Schlumberger-D1 sds	\$2,098
BJ Services-D1 sds	\$17,118
Frac water	\$600
Frac head rental	\$200
Fuel gas (+/- 400mcf)	\$1,800
Frac tks (4 X 2 days)	\$320
IPC Supervision	\$200
DAILY COST:	\$23,785
TOTAL WELL COST:	\$252,886



**ATTACHMENT H****WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Plug #1 Set 162' plug from 5205'-5367' with 20 sx Class "G" cement.
2. Plug #2 Set 334' plug from 4674'-5008' with 40 sx Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Plug #4 Set 100' plug from 252'-352' (50' on either side of casing shoe) with 15 sx Class "G" cement.
5. Plug #5 Set 50' plug from surface with 10 sx Class "G" cement.
6. Plug #6 Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 302' to surface.

The approximate cost to plug and abandon this well is \$18,000.

### South Wells Draw #13-2

Spud Date: 10/13/2000  
Put on Production: 12/08/2000  
GL: 5563' KB: 5573'

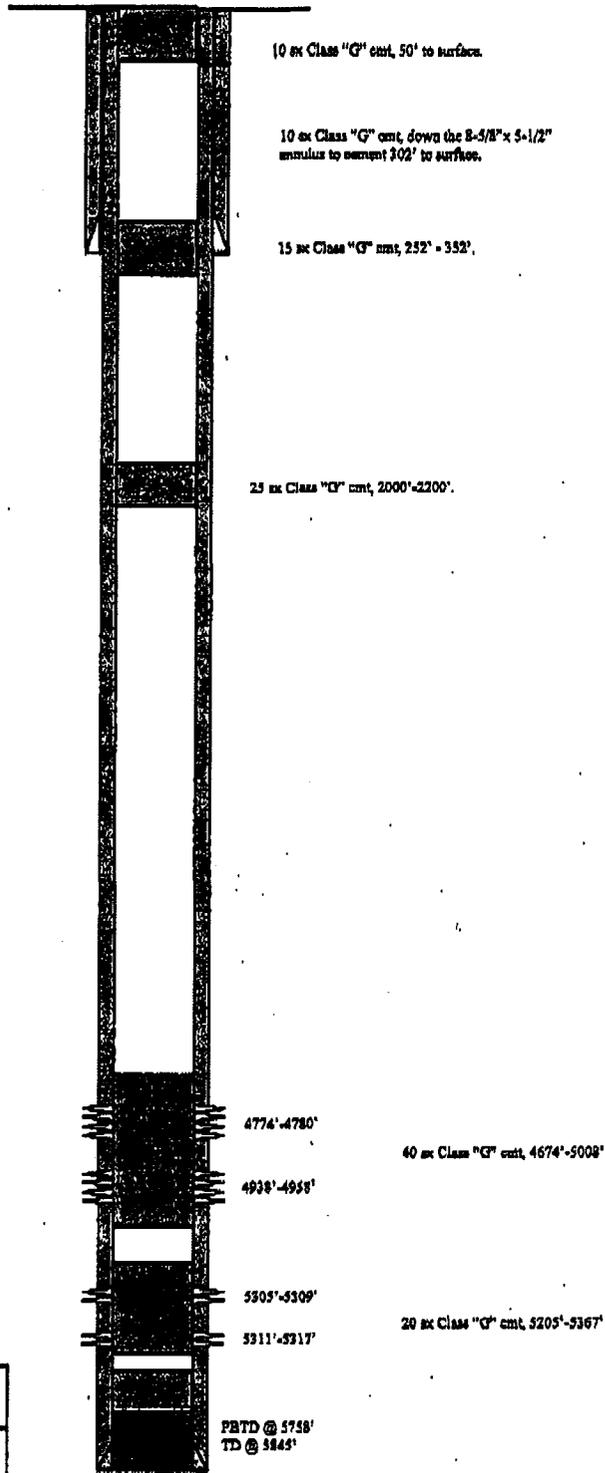
**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (302') **297'**  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 sac Class "C" cement; net 5 bbls cement to surf

**PRODUCTION CASING**

CSG SIZE: 4-1/2"  
GRADE: J-55 & N-80  
WEIGHT: 15.5# & 17.0#  
LENGTH: 144 jts. (5836.06')  
DEPTH LANDED: 5832'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sac Prem. Lite II mixed @ 500 sac 50/50 PQZ,

Proposed P&A Wellbore Diagram



**Inland Resources Inc.**  
 South Wells Draw #13-2-9-16  
 696' FSL & 644' FWL  
 SESW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32127; Lease #ML-21839

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-21839</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  <b>N/A</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME <b>SO MONUMENT BUTTE</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>S WELLS DRAW 13-2-9-16</b>	
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		9. WELL NO. <b>S WELLS DRAW 13-2-9-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/NW Section 2, T9S R16E 696 FNL 644 FWL</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/NW Section 2, T9S R16E</b>	
14. API NUMBER <b>43-013-32127</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5524 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</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"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <input checked="" type="checkbox"/> <b>Injection Conversion</b>	
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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DIVISION OF OIL, GAS AND MINING

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

The subject well was converted from a producing to an injection well on 11/5/02. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly at 4719". On 11/5/02 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 11/7/02 the casing was pressured to 1070 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were there to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED *Krishna Russell* TITLE Production Clerk DATE 11/8/2002  
Krishna Russell

cc: BLM  
(This space for Federal or State office use)

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

\* See Instructions On Reverse Side

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: \_\_\_\_\_ Date 11/2/02 Time 1:00 am pm

Test Conducted by: Brent Cook

Others Present: Perry Getchell

Well: <u>SWD 13-2-9-16</u>	Field: <u>So. Wells Draw</u>
Well Location: <u>13-2</u>	API No: <u>43-013-32127</u>

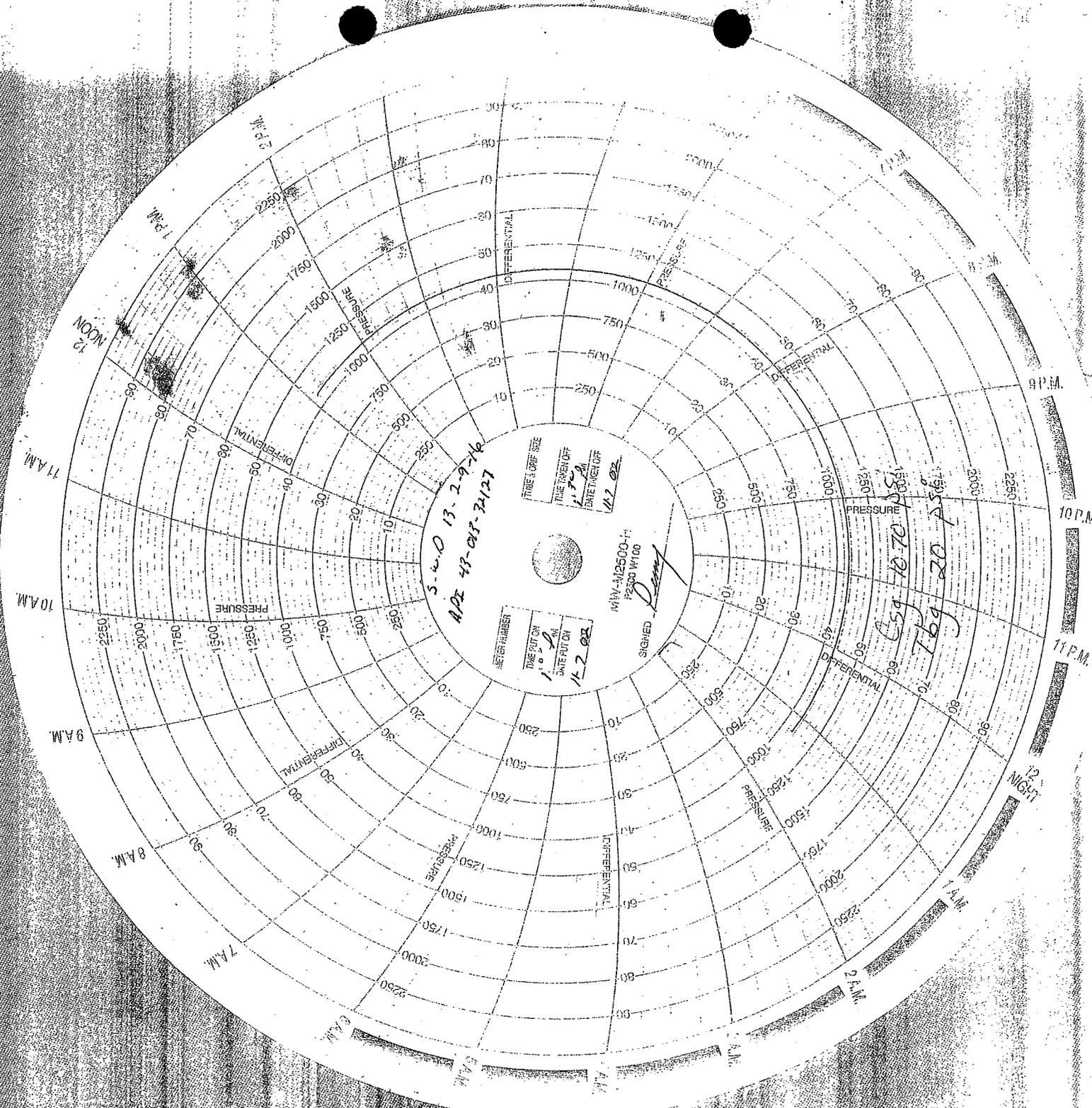
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1070</u>	psig
5	<u>1070</u>	psig
10	<u>1070</u>	psig
15	<u>1070</u>	psig
20	<u>1070</u>	psig
25	<u>1070</u>	psig
30 min	<u>1070</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 20 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Brent Cook



S.W.D 13-2-9-76  
 APE 48-018-74127

METER NUMBER  
 TIME PUT ON  
 TRUE TANGENT  
 DATE PUT ON  
 DATE TAKEN OFF

MMV-12500-H  
 P230 W100

SIGNED *[Signature]*

659 1070  
 169 20 750

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

**Applicant:** Inland Production Company                      **Well:** South Wells Draw 13-2-9-16

**Location:** 2/9S/16E    **API:** 43-013-32127

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the South Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). The Federal Government is the mineral owner 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 South Monument Butte 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 297 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5332'. A cement bond log demonstrates adequate bond in this well up to 340 feet. A 2 7/8 inch tubing with a packer will be set at 4187. A mechanical integrity test will be run on the well prior to injection. There are 4 producing wells, 1 injection well and 1 P&A well in the area of review. All of the wells have evidence of 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 a depth of approximately 570 feet. Injection shall be limited to the interval between 3748 feet and 5600 feet in the Green River Formation. All of these perforations will not be opened initially. Each time that new perforations are added and the packer is moved or disturbed an MIT shall be run to provide evidence of mechanical integrity. Information submitted by Inland indicates that the fracture gradient for the 13-2-9-16 well is .90 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2238 psig. The requested maximum pressure is 2238 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.

South Wells Draw 13-2-9-16  
page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the South Monument Butte Unit June 8, 2001 . Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Brad Hill Date 11/14/2002



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

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

November 15, 2002

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

Re: South Monument Butte Unit Well: South Wells Draw 13-2-9-16, Section 2,  
Township 9 South, Range 16 East, Duchesne 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.

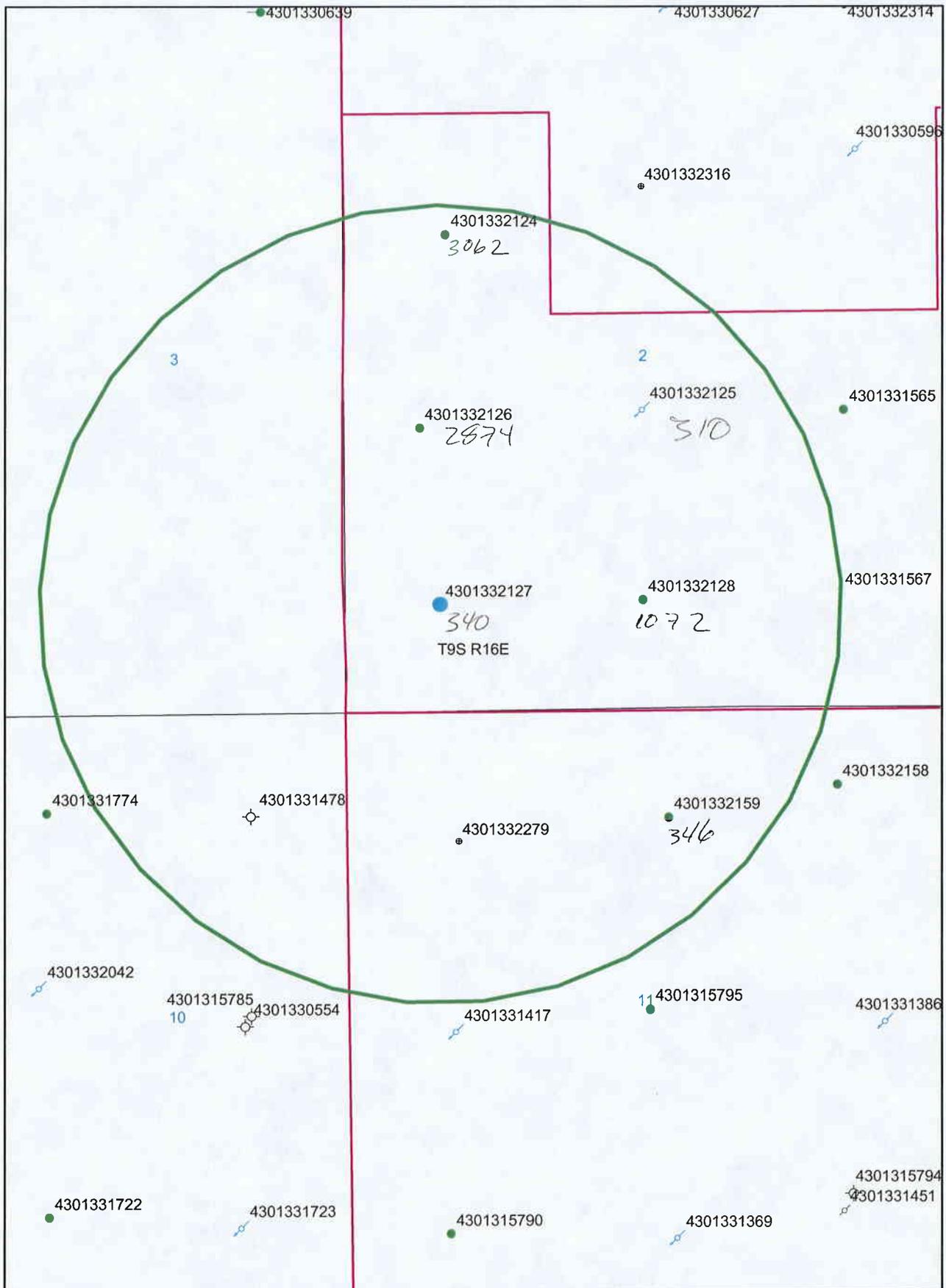
If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill at (801) 538-5315 or Dan Jarvis at (801) 538-5338.

Sincerely,

for John R. Baza  
Associate Director

er  
cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton  
SITLA, Salt Lake City

# South Wells Draw 13-2-9-16





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

1594 West North Temple, Suite 1210  
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Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

**UNDERGROUND INJECTION CONTROL PERMIT**

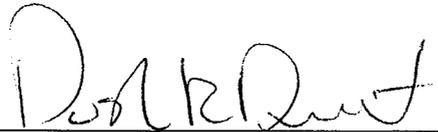
Cause No. UIC-282

**Operator:** Inland Production Company  
**Well:** South Wells Draw 13-2-9-16  
**Location:** Section 2, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32127  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 15, 2002.
2. Maximum Allowable Injection Pressure: 2238 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3748' - 5600')

Approved by:

  
for John R. Baza  
Associate Director

11/15/2002  
Date

er

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

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FORM 9

DIVISION OF OIL, GAS AND MINING

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use *APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-21839</b>
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>
3. ADDRESS AND TELEPHONE NUMBER <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		7. UNIT AGREEMENT NAME  <b>SO MONUMENT BUTTE</b>
4. LOCATION OF WELL  Footages <b>696 FNL 644 FWL</b> QQ, SEC, T, R, M: <b>SW/NW Section 2, T9S R16E</b>		8. WELL NAME and NUMBER <b>S WELLS DRAW 13-2-9-16</b>
11. <b>CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA</b>		9. API NUMBER <b>43-013-32127</b>
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input type="checkbox"/> OTHER _____		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>
		COUNTY <b>DUCHESNE</b> STATE <b>UTAH</b>

SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> OTHER <u>Report of First Injection</u>	
DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)  
 The above referenced well was put on injection at 9:30 a.m. on 11/19/02.

13. NAME & SIGNATURE Mandie Crozier TITLE Permit Clerk DATE 11/19/2002  
 (This space for State use only)

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FORM 9

DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use \*APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721

4. LOCATION OF WELL Footages 696 FNL 644 FWL QQ, SEC, T, R, M: SW/NW Section 2, T9S R16E

5. LEASE DESIGNATION AND SERIAL NO. ML-21839

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A

7. UNIT AGREEMENT NAME SO MONUMENT BUTTE

8. WELL NAME and NUMBER S WELLS DRAW 13-2-9-16

9. API NUMBER 43-013-32127

10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE

COUNTY DUCHESNE STATE UTAH

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

NOTICE OF INTENT: (Submit in Duplicate)

- ABANDON, REPAIR CASING, CHANGE OF PLANS, CONVERT TO INJECTION, FRACTURE TREAT OR ACIDIZE, MULTIPLE COMPLETION, OTHER, NEW CONSTRUCTION, PULL OR ALTER CASING, RECOMPLETE, REPERFORATE, VENT OR FLARE, WATER SHUT OFF

SUBSEQUENT REPORT OF: (Submit Original Form Only)

- ABANDON\*, REPAIR CASING, CHANGE OF PLANS, CONVERT TO INJECTION, FRACTURE TREAT OR ACIDIZE, OTHER, NEW CONSTRUCTION, PULL OR ALTER CASING, RECOMPLETE, REPERFORATE, VENT OR FLARE, Report of First Injection

DATE WORK COMPLETED

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

\*Must be accompanied by a cement verification report.

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

The above referenced well was put on injection at 9:30 a.m. on 11/19/02.

13. NAME & SIGNATURE: Mandie Crozier TITLE Permit Clerk DATE 11/19/2002

(This space for State use only)



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

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: Inland Production Company  
 Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
 Phone: (303) 893-0102  
 Comments:

Name: Brian Harris  
 Signature: *Brian Harris*  
 Title: Engineering Tech.  
 Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company  
 Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
 Phone: \_\_\_\_\_  
 Comments:

Name: Brian Harris  
 Signature: *Brian Harris*  
 Title: Engineering Tech.  
 Date: 9/15/2004

(This space for State use only)

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

Approval Date: 9-20-04

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

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

**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:**

**S MONUMENT BUTTE (GR)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-1	01	090S	160E	4301330571	13195	Federal	WI	A
MONUMENT BUTTE FED 6-1	01	090S	160E	4301331506	13195	Federal	OW	P
MON BUTTE FED 5-1	01	090S	160E	4301331507	13195	Federal	OW	P
MONUMENT BUTTE FED 4-1	01	090S	160E	4301331545	13195	Federal	OW	P
MONUMENT BUTTE ST 8-2	02	090S	160E	4301331509	13195	State	OW	P
MONUMENT BUTTE ST 16-2	02	090S	160E	4301331510	13195	State	OW	P
MON BUTTE ST 9-2	02	090S	160E	4301331555	13195	State	WI	A
MONUMENT BUTTE ST 10-2	02	090S	160E	4301331565	13195	State	OW	P
MONUMENT BUTTE ST 15-2-9-16	02	090S	160E	4301331932	13195	State	WI	A
S WELLS DRAW 5-2-9-16	02	090S	160E	4301332124	13195	State	WI	A
S WELLS DRAW 11-2-9-16	02	090S	160E	4301332125	13195	State	WI	A
S WELLS DRAW 12-2-9-16	02	090S	160E	4301332126	13195	State	OW	P
S WELLS DRAW 13-2-9-16	02	090S	160E	4301332127	13195	State	WI	A
S WELLS DRAW 14-2-9-16	02	090S	160E	4301332128	13195	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  
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: SWD 13-2-9-16 API Number: 43-013-32127  
 Qtr/Qtr: SW/SW Section: 2 Township: 9S Range: 16E  
 Company Name: NEWFIELD PRODUCTION COMPANY  
 Lease: State ML-21839 Fee \_\_\_\_\_ Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Dennis Z. Johnson Date: February 2, 2007

Initial Conditions:

Tubing - Rate: Ø Pressure: 1450 psi  
 Casing/Tubing Annulus - Pressure: 1100 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1100</u>	<u>1450</u>
5	<u>1100</u>	<u>1450</u>
10	<u>1100</u>	<u>1450</u>
15	<u>1100</u>	<u>1450</u>
20	<u>1100</u>	<u>1450</u>
25	<u>1100</u>	<u>1450</u>
30	<u>1100</u>	<u>1450</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1450 psi  
 Casing/Tubing Annulus Pressure: 1100 psi

COMMENTS: Tested because of Hde in Tubing - Test on Court

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Operator Representative

RECEIVED  
 FEB 13 2007  
 DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**UTAH STATE ML-21839**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
**S MON BUTTE UNIT**

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

8. WELL NAME and NUMBER:  
**S WELLS DRAW 13-2-9-16**

2. NAME OF OPERATOR:  
**NEWFIELD PRODUCTION COMPANY**

9. API NUMBER:  
**4301332127**

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

10. FIELD AND POOL, OR WILDCAT:  
**MONUMENT BUTTE**

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: **696 FSL 644 FWL**

COUNTY: **DUCHESNE**

OTR/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWNW, 2, T9S, R16E**

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:  <b>02/22/2007</b>	<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 checked="" 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 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.  
Workover operations (tubing leak) were performed on the subject well on 01/12/07, see attached daily status.

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

Date: **02-26-07**  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: **02-27-07**  
Initials: **CHP**

NAME (PLEASE PRINT) **Jentri Park**

TITLE **Production Clerk**

SIGNATURE \_\_\_\_\_

DATE **02/22/2007**

(This space for State use only)

**RECEIVED  
FEB 23 2007**

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**S WELLS DRW 13-2-9-16****11/1/2006 To 3/28/2007****1/6/2007 Day: 1****Tubing Leak**

Western #3 on 1/5/2007 - MIRU Western #3. Bleed well down. ND wellhead & release Arrowset pkr @ 4719'. NU BOP. RU HO trk & flush tbg W/ 30 BW @ 200°F. Drop standing valve & pump to SN. Pressure up on tbg to 3000 psi. Losing 100 psi in 25 minutes. Retrieve standing valve W/ sandline. TOH W/ tbg. Break every connection, inspect pins and re-apply Liquid O-ring to pins. LD 2 joints W/ visibly bad threads. SIFN W/ EOT @ 1210'.

---

**1/9/2007 Day: 2****Tubing Leak**

Western #3 on 1/8/2007 - Thaw wellhead, BOP & tbg stump. Bleed well down. Con't TOH W/ tbg f/ 1210'. Break every connection, inspect pins and re-apply Liquid O-ring to pins. LD pkr. TIH W/ redressed Weatherford 5 1/2" Arrowset 1-X pkr (W/ W.L. re-entry guide & hardened steel slips), new SN & tbg. Able to pressure test 1 jt above SN to 3000 psi, but further testing unsuccessful. Replace standing valve. Still getting no test. LD BHA & SIFN. Will replace standing valve in AM.

---

**1/10/2007 Day: 3****Tubing Leak**

Western #3 on 1/9/2007 - Thaw wellhead, BOP & tbg stump. Bleed well down. MU pkr, SN & 1 jt tbg. Install new standing valve & pressure test tbg to 4000 psi--holds solid. Resume testing tbg in hole. Finding collar leaks. Change out collars & re-torque connections. Still leaking (visibly). TOH--LD pkr. TIH W/ injection tbg. TOH & LD entire tbg string on trailers. PU pkr, SN and start testing in hole W/ "new" tbg string. Picking up Blue band used inspected 2 7/8 8rd 6.5# J-55 tbg. Breaking all collars & applying Liquid O-ring to pins and torquing each connection. Ran standing valve in place. Pressure test first 20 jts to 4000 psi--good. SIFN.

---

**1/11/2007 Day: 4****Tubing Leak**

Western #3 on 1/10/2007 - WO HO trk 3 hrs. Thaw wellhead, BOP & tbg stump. Bleed well down. Con't picking up and testing in hole W/ injection tbg. Tested total of 55 jts tbg successfully to 3000 psi. Tong failure. SIFN.

---

**1/12/2007 Day: 5****Tubing Leak**

Western #3 on 1/11/2007 - RU HO trk. Thaw wellhead, BOP & tbg stump. Bleed well down. Con't picking up and testing in hole W/ injection tbg. Broke each collar, inspected pins & applied Liquid O-ring to pins. Successfully tested 147 jts to 3000 psi for 30 minutes. Retrieve standing valve W/ sandline. SIFN.

---

**1/13/2007 Day: 6****Tubing Leak**

Western #3 on 1/12/2007 - RU HO trk. Thaw wellhead, BOP & tbg stump. Bleed well down. ND BOP & land tbg on flange. Mix 15 gals Unichem 6061W & 5 gals Alpha 1-33 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4687'. CE @ 4691' & EOT @ 4695'. Land tbg W/ 16,000# tension. NU wellhead. Pressure test casing & pkr to 1350 psi. Held solid for 30 minutes. Leave pressure on well. RDMOSU. Well ready for MIT.

---

**2/7/2007 Day: 7****Tubing Leak**

**Rigless on 2/2/2007 - On 2/1/07 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (SWD 13-2-9-16). Permission was given at that time to perform the test on 2/2/07. On 2/2/07 the csg was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1450 psig during the test. There was a State representative available to witness the test. (Dennis Ingram) API# 43-013-32127**

---

**Pertinent Files: Go to File List**

# Mechanical Integrity Test Casing or Annulus Pressure Test

**Inland Production Company**

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

Witness: Pennis Ingra Date 2/2/07 Time 10:00  am  pm

Test Conducted by: Gordon Womack

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

Well: <u>South Wells Draw 13-2-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>SW/SW Sec 2 T9S R16E</u> <u>Duchesne County, UT</u>	API No: <u>43-013-32127</u>

Time	Casing Pressure	
0 min	<u>1100</u>	psig
5	<u>1100</u>	psig
10	<u>1100</u>	psig
15	<u>1100</u>	psig
20	<u>1100</u>	psig
25	<u>1100</u>	psig
30 min	<u>1100</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1450 psig

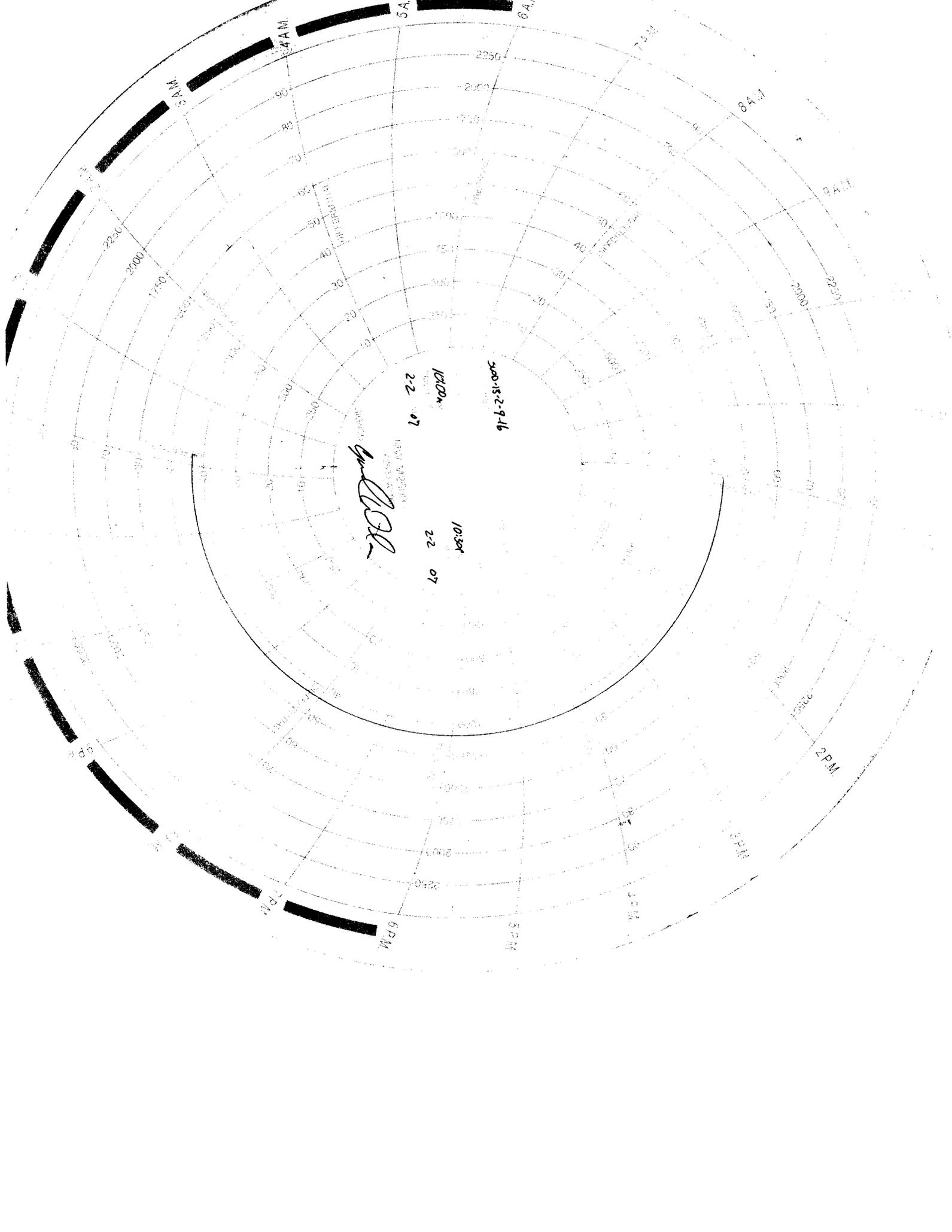
Result:  Pass  Fail

**RECEIVED**  
**FEB 23 2007**

DIV. OF OIL, GAS & MINING

Signature of Witness: Pennis Ingra

Signature of Person Conducting Test: Gordon Womack



10:00  
2-2 07

300-15-2-9-16

10:30  
2-2 07

*[Signature]*

## Don Staley - Fwd: RE: Footage for S Wells Draw 13-2-9-16

---

**From:** Rachel Medina  
**To:** Staley, Don  
**Date:** 04/21/2010 8:14 AM  
**Subject:** Fwd: RE: Footage for S Wells Draw 13-2-9-16

---

>>> "Lucy Chavez-Naupoto" <lchavez-naupoto@newfield.com> 4/20/2010 3:27 PM >>>  
Hi Rachel,  
The correct footage is 696' FSL.  
If you need anything else just let me know.  
Have a great day!

Lucy Chavez-Naupoto  
lchavez-naupoto@newfield.com  
(435) 646-4874

---

**From:** Rachel Medina [mailto:rachelmedina@utah.gov]  
**Sent:** Tuesday, April 20, 2010 1:25 PM  
**To:** Lucy Chavez-Naupoto  
**Subject:** Footage for S Wells Draw 13-2-9-16

Hi Lucy,

Could you double check the footage on the above well for me. The map and APD has the footage at 0696 FSL but the WCR and injection convert sundry have it at 0696 FNL.

Thanks,  
Rachel

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21839
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW 13-2-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013321270000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0696-FSL 0644-FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 02 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/13/2011	<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 style="width: 50px;" type="text" value="5 YR MIT"/>

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

On 12/06/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 12/13/2011 the casing was pressured up to 1045 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 2000 psig during the test. There was not a State representative available to witness the test.

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

**Date:** 12/19/2011

**By:**

<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> 12/15/2011	

# Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 12/13/11 Time 9:20  am  pm  
Test Conducted by: Trent Horrocks  
Others Present: \_\_\_\_\_

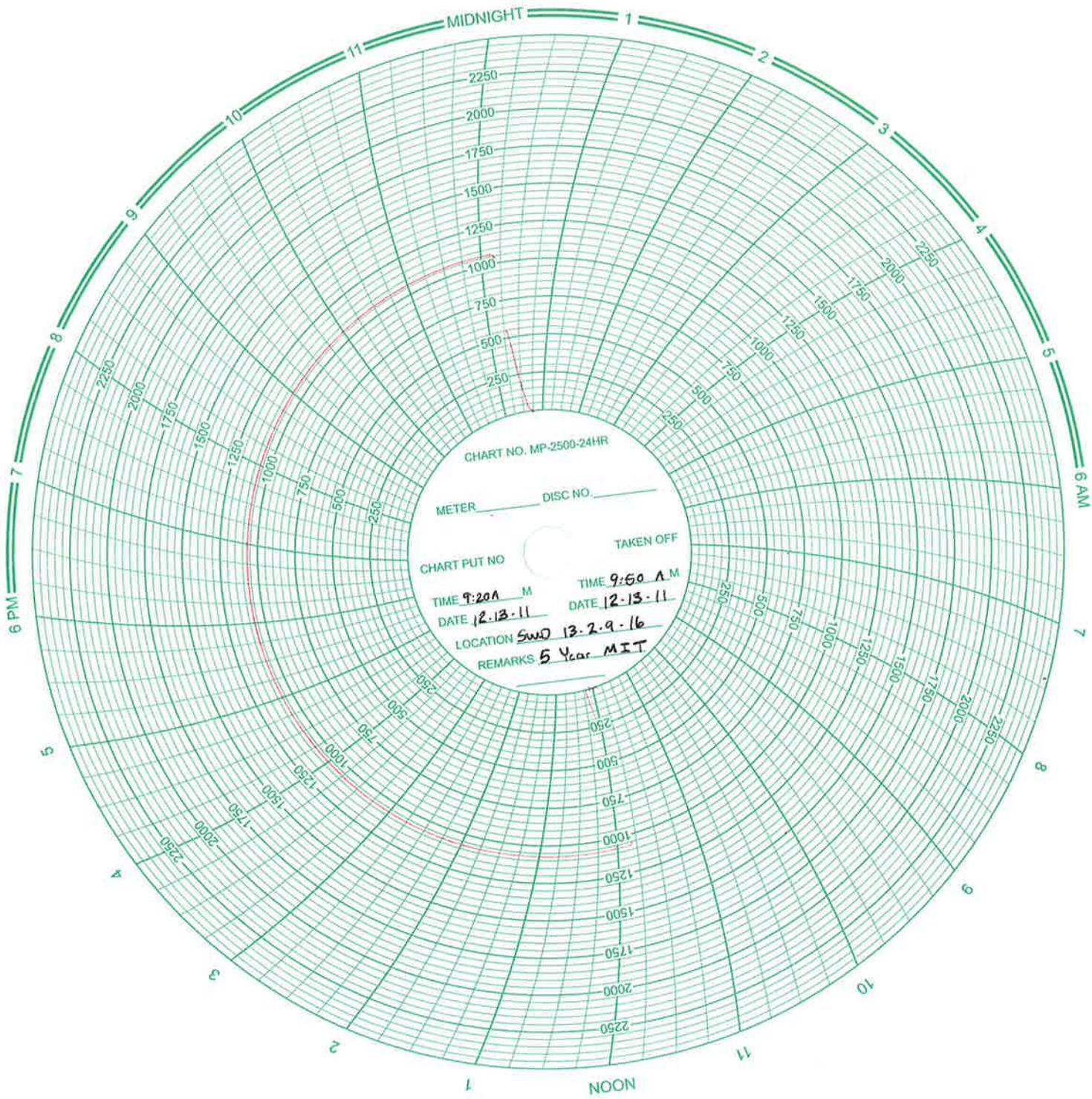
Well: SWD 13-2-9-16 Field: \_\_\_\_\_  
Well Location: SWD 13-2-9-16 API No: 43-013-32127  
SW/SW Sec. 2 T4S R16E Duchesne County UT.

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1045</u>	psig
5	<u>1045</u>	psig
10	<u>1045</u>	psig
15	<u>1045</u>	psig
20	<u>1045</u>	psig
25	<u>1045</u>	psig
30 min	<u>1045</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2000 psig

Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Trent Horrocks



<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.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21839
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: S WELLS DRAW 13-2-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0696 FSL 0644 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 02 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013321270000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013321270000	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2013	<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 checked="" type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="MIT"/>

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

The above subject well had workover procedures performed (tubing leak), attached is a daily status report. On 09/04/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/05/2013 the csg was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test.

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

Date: October 28, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/13/2013	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 9/5/13 Time 9:00 am pm  
Test Conducted by: Kim Giles  
Others Present: \_\_\_\_\_

Workover MIT

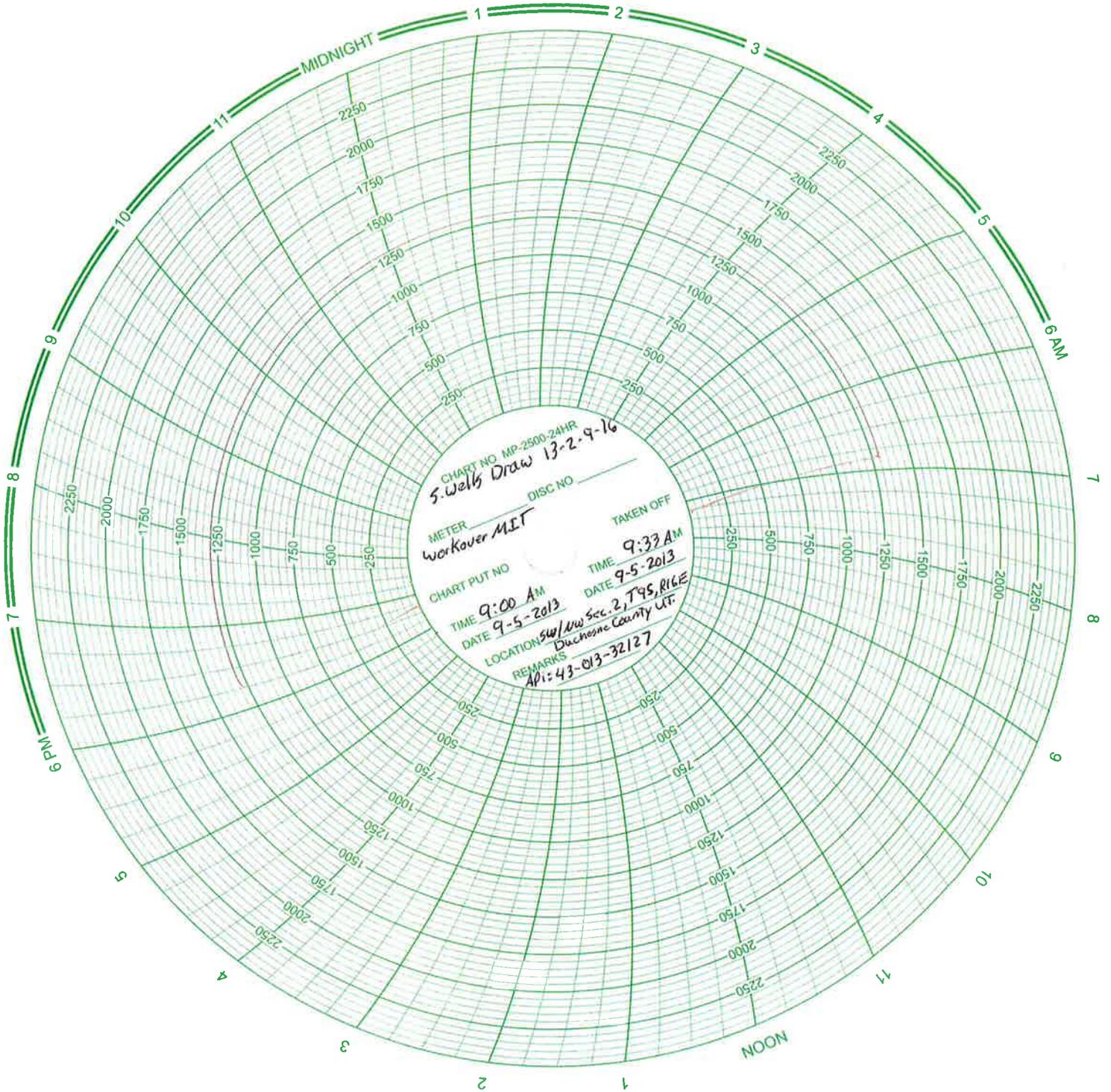
Well: S. Wells Draw 13-2-9-16 Field: Monument Butte  
Well Location: SW/NE Sec. 2, T9S, R16E API No: 43-013-32127  
Duchesne County, UT

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1300</u>	psig
5	<u>1300</u>	psig
10	<u>1300</u>	psig
15	<u>1300</u>	psig
20	<u>1300</u>	psig
25	<u>1300</u>	psig
30 min	<u>1300</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Kim Giles



## Daily Activity Report

Format For Sundry

**S WELLS DRW 13-2-9-16**

**7/1/2013 To 11/30/2013**

**8/29/2013 Day: 1**

**Tubing Leak**

NC #1 on 8/29/2013 - MIRUSU, Bleed down well, NU Weatherford BOP, Atempt to flush tbg. - Moved From 31R-9H-9-17: MIRUSU, SITP 1600psi, SICP 1500psi, Bleed down well, 50psi FTP @ 2BPM for 90min, Csg ND WH, NU Weatherford BOP, RU workflow, RU H/Oiler pmped 3BW to fill, Released PKR, Pmped 20BW down tbg caught 1000psi of pressure, Bleed off, SWIFN...7:00PM to 7:30PM c/travl - Moved From 31R-9H-9-17: MIRUSU, SITP 1600psi, SICP 1500psi, Bleed down well, 50psi FTP @ 2BPM for 90min, Csg ND WH, NU Weatherford BOP, RU workflow, RU H/Oiler pmped 3BW to fill, Released PKR, Pmped 20BW down tbg caught 1000psi of pressure, Bleed off, SWIFN...7:00PM to 7:30PM c/travl **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$5,899

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**9/3/2013 Day: 2**

**Tubing Leak**

NC #1 on 9/3/2013 - Contin Breaking Collars, MU & RIH w/ PKR, PT tbg GOOD TEST, NU Injection tree, Set PKR PT Csg - 5:30AM to 6:00AM c/travl: SITP 1300psi SICP 1300psi, Bleed down, POOH W/ 46 Jts, Braking & inspecting collars & appling liquid O-ring to pins, L/D Pker, P/U New ON/OFF Tool, SN, ASIX Pker W/ Acc, TIH W/ 20- jts, R/U Pef Hot Oiler Flush Tbg W/ 10 Bbls Wter Drop S/V R/U S/Line Push To SN, Psi Up To 3000, Every 20- jts Testing To 3000 Psi For 3 Min To Check For posiable failure, RIH W/ 146- Jts, Test Tbg To 3000 Psi Good Test, R/U S/Line, RIH W/ S/Line Fish S/Vale, R/D S/Line, R/D Tongs R/D Rig Flr, N/D Bop, N/U Well Hand, R/U Hot Oiler, To Csg Pump 60 Bbls Wter W/ Pker Fluid, N/D Well Head Set Pker, N/U Inject Tree, PT Csg To 1500 Psi, Check Psi In Morning. SWIFN. 6:30PM To 7:00 PM C/Trvl. - 5:30AM to 6:00AM c/travl: SITP 1300psi SICP 1300psi, Bleed down, POOH W/ 46 Jts, Braking & inspecting collars & appling liquid O-ring to pins, L/D Pker, P/U New ON/OFF Tool, SN, ASIX Pker W/ Acc, TIH W/ 20- jts, R/U Pef Hot Oiler Flush Tbg W/ 10 Bbls Wter Drop S/V R/U S/Line Push To SN, Psi Up To 3000, Every 20- jts Testing To 3000 Psi For 3 Min To Check For posiable failure, RIH W/ 146- Jts, Test Tbg To 3000 Psi Good Test, R/U S/Line, RIH W/ S/Line Fish S/Vale, R/D S/Line, R/D Tongs R/D Rig Flr, N/D Bop, N/U Well Hand, R/U Hot Oiler, To Csg Pump 60 Bbls Wter W/ Pker Fluid, N/D Well Head Set Pker, N/U Inject Tree, PT Csg To 1500 Psi, Check Psi In Morning. SWIFN. 6:30PM To 7:00 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$15,316

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**9/4/2013 Day: 2**

**Tubing Leak**

NC #1 on 9/4/2013 - PT CSG, RDMOSU - 5:30AM to 6:00AM c/travl: Checked Csg pressure, 600psi Loss in 12hrs, Bleed off gas until fluid, Pressured Csg to 1580psi, Observed pressure, 10psi loss in 30min, NO pressure loss in 60min, GOOD TEST!!, Repairs to NC1, RDMOSU...FINAL RIG REPORT...READY FOR MIT - 5:30AM to 6:00AM c/travl: Checked Csg pressure, 600psi Loss in 12hrs, Bleed off gas until fluid, Pressured Csg to 1580psi, Observed pressure, 10psi loss in 30min, NO pressure loss in 60min, GOOD TEST!!, Repairs to NC1, RDMOSU...FINAL RIG REPORT...READY FOR MIT

**Daily Cost:** \$0

**Cumulative Cost:** \$30,924

**9/6/2013 Day: 3**

**Tubing Leak**

Rigless on 9/6/2013 - Conduct MIT - On 09/04/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/05/2013 the csg was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test - On 09/04/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/05/2013 the csg was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$31,824

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**Pertinent Files: [Go to File List](#)**

# South Wells Draw 13-2-9-16

Spud Date: 10/13/2000  
 Put on Production: 12/08/2000  
 GL: 5563' KB: 5573'

Initial Production: 74.5 BOPD,  
 67.6 MCFD, 13.3 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (297')  
 DEPTH LANDED: 302'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55 & N-80  
 WEIGHT: 15.5# & 17.0#  
 LENGTH: 144 jts (5836.06')  
 DEPTH LANDED: 5832'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem Lite II mixed & 500 sxs 50/50 POZ

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 146 jts (4676.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4686.9' KB  
 ON/OFF TOOL AT: 4688'  
 ARROW #1 PACKER CE AT: 4692.8'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4696.8'  
 TBG PUP 2-3/8 J-55 AT: 41594697.3.3'  
 X/N NIPPLE AT: 4701.4'  
 TOTAL STRING LENGTH: EOT @ 4703'

**FRAC JOB**

2/5/00 5305'-5317' **Frac A3 sand as follows:**  
 37,400# 20/40 sand in 350 bbls Viking I-25 fluid. Perfs broke down @ 3224 psi Treated @ avg press of 2300 psi w/avg rate of 27 BPM. ISIP 2700 psi.

2/5/00 4774'-4780' **Frac D1 sand as follows:**  
 Set plug at 4800'.  
 24,960# 20/40 sand in 229 bbls Viking I-25 fluid. Perfs broke down @ 1750 psi. Treated @ avg press of 2200 psi w/avg rate of 26 BPM. ISIP 2250 psi, flow back on 12/64 choke @ 1 BPM, flowed 4.5 hrs and died.

2/5/00 4938'-4958' **Frac C sand as follows:**  
 Set plug @ 5090'.  
 Unable to break down perfs. Dump 15 gal 15% HCL across perfs. Frac with 75,000# 20/40 sand in 569 bbls Viking I-25 fluid. Perfs broke down @ 3130 psi Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 2420 psi.

11/5/02 **Set Packer:** Waiting on permission to inject.

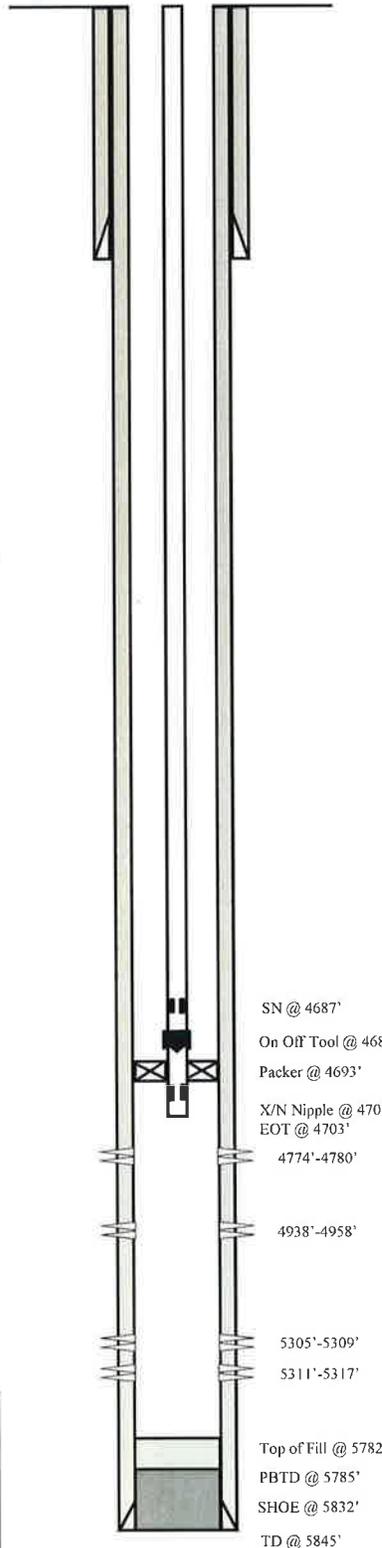
11/19/02 **Start Injecting**

2-2-07 **Tubing Leak:** Updated tubing detail.

09/05/13 **Workover MIT completed - tbg leak -** update tbg detail

**PERFORATION RECORD**

2/5/00	4774'-4780'	4 JSFP	24 holes
2/5/00	4938'-4958'	4 JSFP	80 holes
2/5/00	5305'-5309'	4 JSFP	16 holes
2/5/00	5311'-5317'	4 JSFP	24 holes



**NEWFIELD**

South Wells Draw 13-2-9-16  
 696' FSL & 644' FWL  
 SWSW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32127; Lease #ML-21839