FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

001

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease Designation and Serial Number: ML-22058

6. If Indian, Allottee or Tribe Name:

1A. Type of Work: DRILL [X] DEEPEN [ ]

7. Unit Agreement Name:

B. Type of Well: OIL [X] GAS [ ] OTHER: SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. Farm or Lease Name: Sundance State

2. Name of Operator: Inland Production Company

9. Well Number: #1-32

3. Address and Telephone Number: P O BOX 1446 ROOSEVELT UT 84066

10. Field and Pool, or Wildcat:

4. Location of Well (Footages)
At Surface: 660' FNL & 660' FEL
At Proposed Producing Zone:

11. Qtr/Qtr, Section, Township, Range, Meridian: NE/NE Sec. 32, T8S, R18E

14. Distance in miles and direction from nearest town or post office: 21.5 miles southeast of Myton, Utah

12. County: Uintah

13. State: UTAH

15. Distance to nearest property or lease line (feet): 2664.4'

16. Number of acres in lease: 640

17. Number of acres assigned to this well: 40

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): 660'

19. Proposed Depth: 6500'

20. Rotary or cable tools: Rotary

21. Elevations (show whether DF, RT, GR, etc.): 4955.3' GR

22. Approximate date work will start: 2nd Quarter 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl+2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by 330 sx Class G w/ 10% CaCl

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

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

24.

Name & Signature: Brad Mecham Brad Mecham Title: Operations Manager Date: 2/15/96

(This space for State use only)

API Number Assigned: 43-047-32740

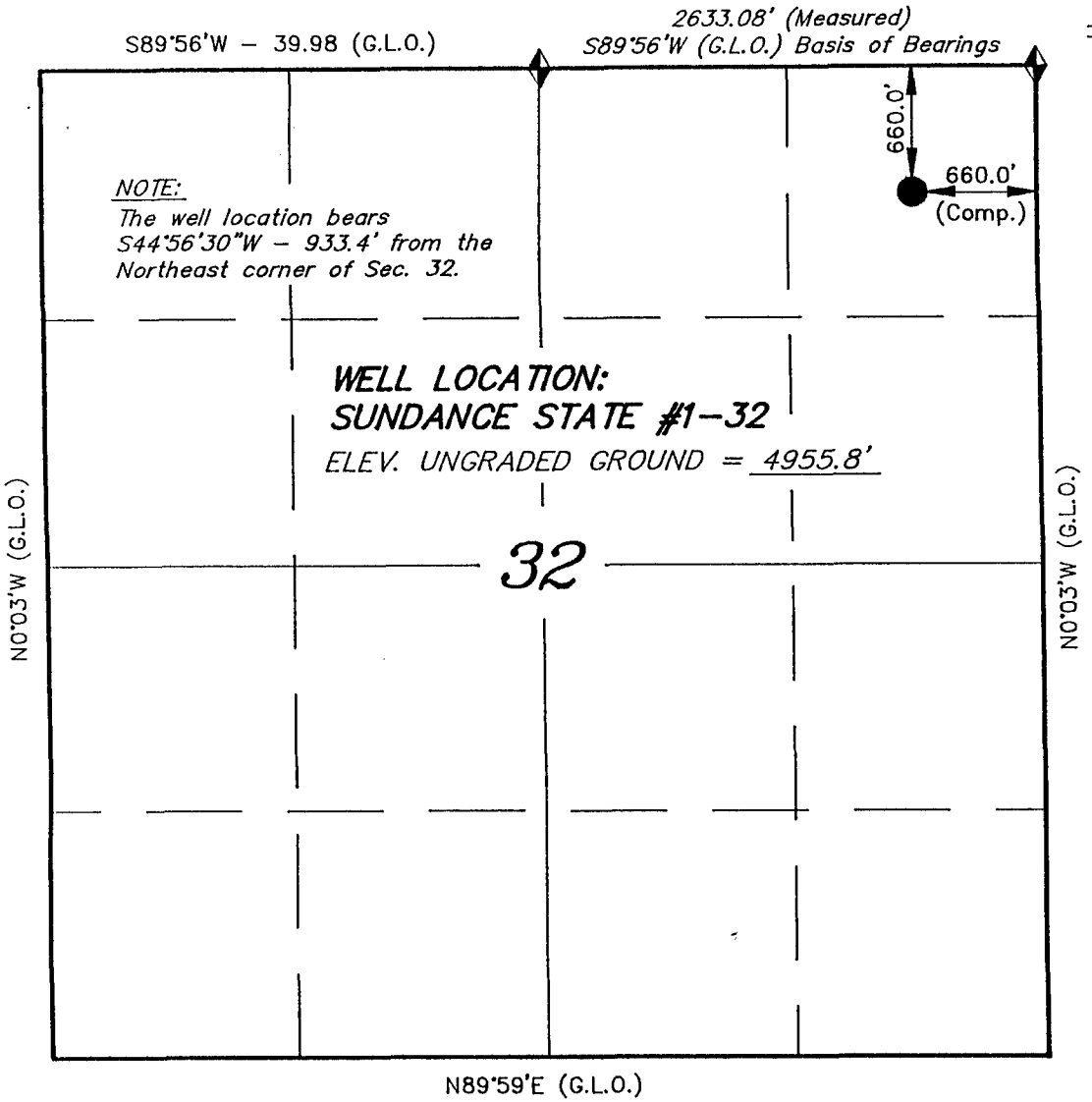
Approval:

J.P. Matthews Petroleum Engineer 3/4/96

(See Instructions on Reverse Side)

(1\93)

T8S, R18E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

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

INLAND PRODUCTION COMPANY

WELL LOCATION, SUNDANCE STATE #1–32, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 32, T8S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.

N

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.

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

STATE OF UTAH — No. 189377 — STACY W. STEWART — REGISTERED LAND SURVEYOR

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

SCALE: 1" = 1000'	SURVEYED BY: S.S.
DATE: 2–13–96	WEATHER: COOL
NOTES:	FILE #

SUNDANCE STATE #1-32
NE/NE SEC. 32, T8S, R18E
UINTAH COUNTY, UTAH
ML-22058

HAZARDOUS MATERIAL DECLARATION

INLAND PRODUCTION COMPANY guarantees that during the drilling & completion of the above referenced well, 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 PRODUCTION COMPANY guarantees that during the drilling and completion of the above referenced well, 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.

INLAND PRODUCTION COMPANY
SUNDANCE STATE # 1-32
NE/NE SEC. 32, T8S, R18E
UINTAH COUNTY, UTAH

TEN POINT WELL PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

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

Uinta	0' - 3030'
Green River	3030'
Wasatch	6500'

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

Green River Formation 3030' - 6400' 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" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be conducted daily.

(See Exhibit "F")

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

It is proposed that the hole be drilled with fresh water to the Green River Formation @ approximately 3030', and with mud there after. The mud system will be a water based gel-chemical, weighted to 10.0 ppg 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, Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement log will be run from PBTD to cement top. The use of mudloggers to be determined at a later date.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated bottom hole pressure is 1800 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 AN D DURATION OF THE OPERATIONS:***

It is anticipated that the drilling operations will commence April 1996 and take approximately 8 days to drill.

INLAND PRODUCTION COMPANY
SUNDANCE STATE #1-32
NE/NE SEC. 32, T8S, R18E
UINTAH COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Sundance #1-32 located in the NE 1/4 NE 1/4 Section 32, T8S, R18E, S.L.B. & M. Uintah County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 9.6 miles to its junction with Utah State Highway 216; proceed southerly along State Highway 216 - 1.9miles to its junction with an existing dirt road to the southeast; proceed southeasterly along this road 5.2 miles to its junction with an existing dirt road to the northeast; proceed northeasterly along this road 3.2 miles to its intersection with an existing dirt road to the west. Proceed westerly along this road 5.4 miles to its intersection with the beginning of the proposed access road, to be discussed in Item #2.

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

The aforementioned dirt oilfield 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 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

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NE 1/4 NE 1/4 Section 32, T8S, R18E, S.L.B. & M., and proceeds in a Northeasterly direction approximately .1 miles ± to the proposed location site.

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 are 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 are 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*

There is one (1) producing Inland Production Co. oil wells, five (5) producing, and three (3) P&A, Dalen Oil Wells, within a one (1) mile radius of this location.
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 contests of the largest tank within the facility battery.

Tank batteries will be placed on a per Sundry Notice if the well is completed as a producer.

5. *LOCATION AND TYPE OF WATER SUPPLY*

At the present time, it is anticipated that the water for this well will be trucked from our pre-approved Inland Production Company fresh water supply line, located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E) location as indicated on Topographic Map - Exhibit "C"

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

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. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

7. ***METHODS FOR HANDLING WASTE DISPOSAL***

See Location Layout Sheet - Exhibit "E".

If a reserve pit is used, it will be constructed and lined with a plastic nylon reinforced line so as not to leak, break, or allow discharge. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit wall and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed on in the pit.

After first production, produced water will be confined to a pit or storage tank for a period not to exceed one hundred twenty (120) days. During the one hundred twenty (120) day period, in accordance with the Onshore Order #7, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officers approval.

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.

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 east between stakes 4 & 5.

No flare pit will be used on this location.

The stockpiled topsoil (first six (6) inches) will be stored on the west side, between stakes 1 & 8.

Access to the well pad will be from the southwest corner, between stakes 7 & 8.

Fencing Requirements

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

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.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before back filling of the reserve pit.

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, all cans, barrels, pipe, etc., 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 specifications, 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 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) 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 Report will be submitted to the State Office, as soon as it becomes available.

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 insure compliance.

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

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

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

13. *LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION*

Representative

Name: Brad Mecham

Address: P.O. Box 1446 Roosevelt, Utah 84066

Telephone: (801) 722-5103

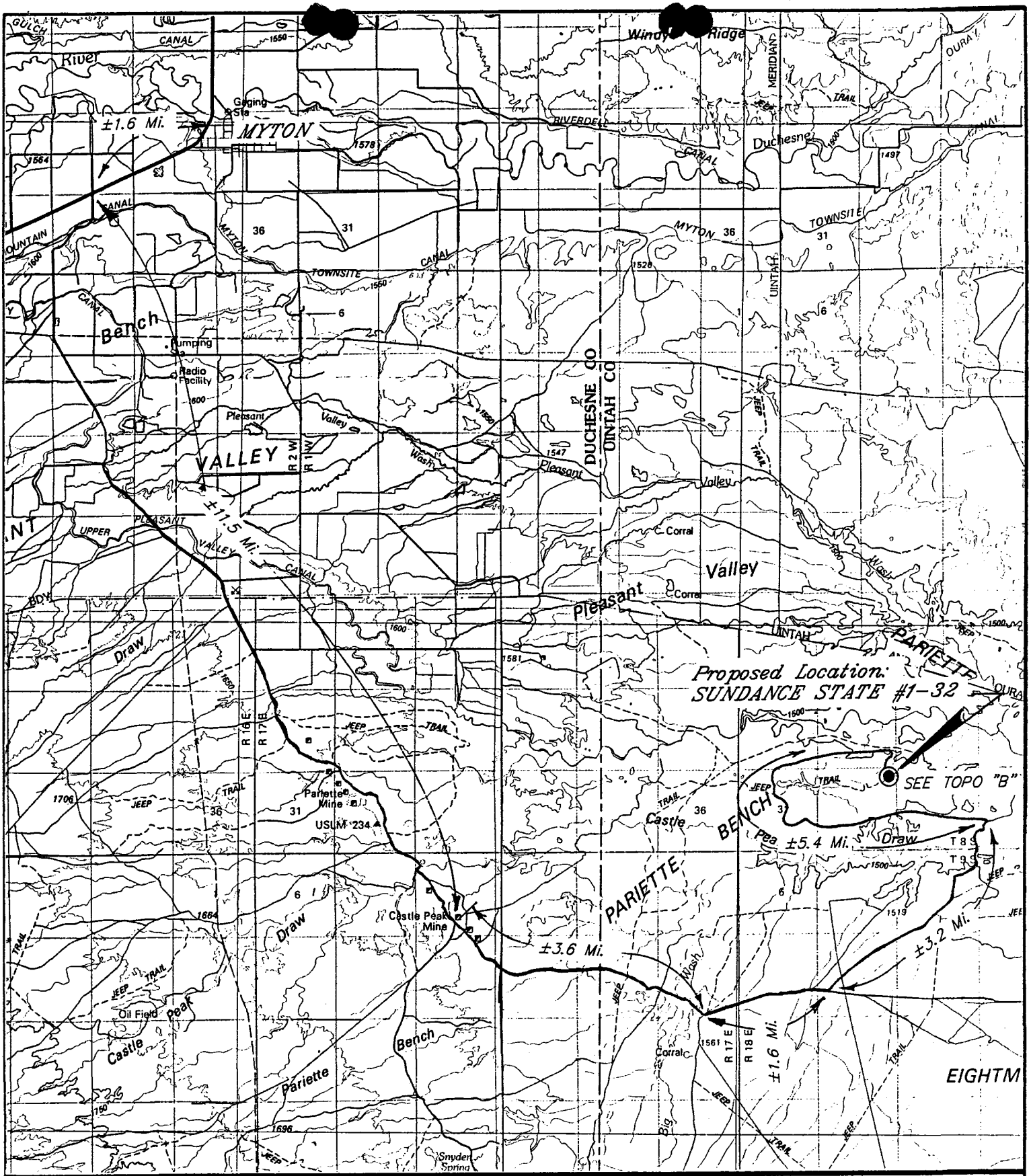
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #1-32 NE/NE Section 32, Township 8S, Range 18E: Lease #ML-22058 Unit 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 #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that 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.

2-19-96
Date

Brad Mecham
Operations Manager

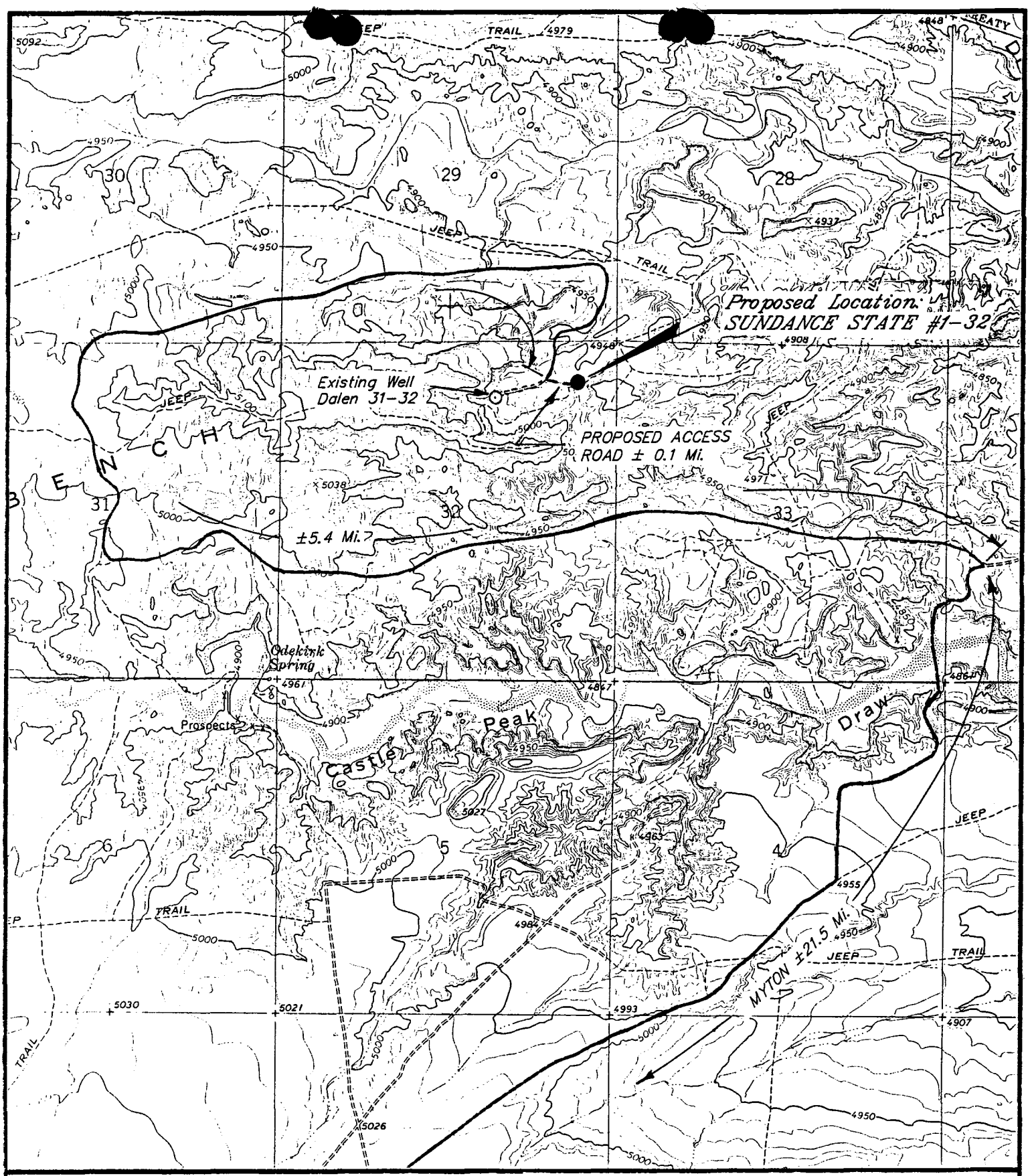


INLAND PRODUCTION COMPANY

SUNDANCE STATE #1-32
SEC. 32, T8S, R18E, S.L.B.&M.
TOPO "A"

N

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



INLAND PRODUCTION COMPANY

SUNDANCE STATE #1-32
SEC. 32, T8S, R18E, S.L.B.&M.
TOPO "B"

N

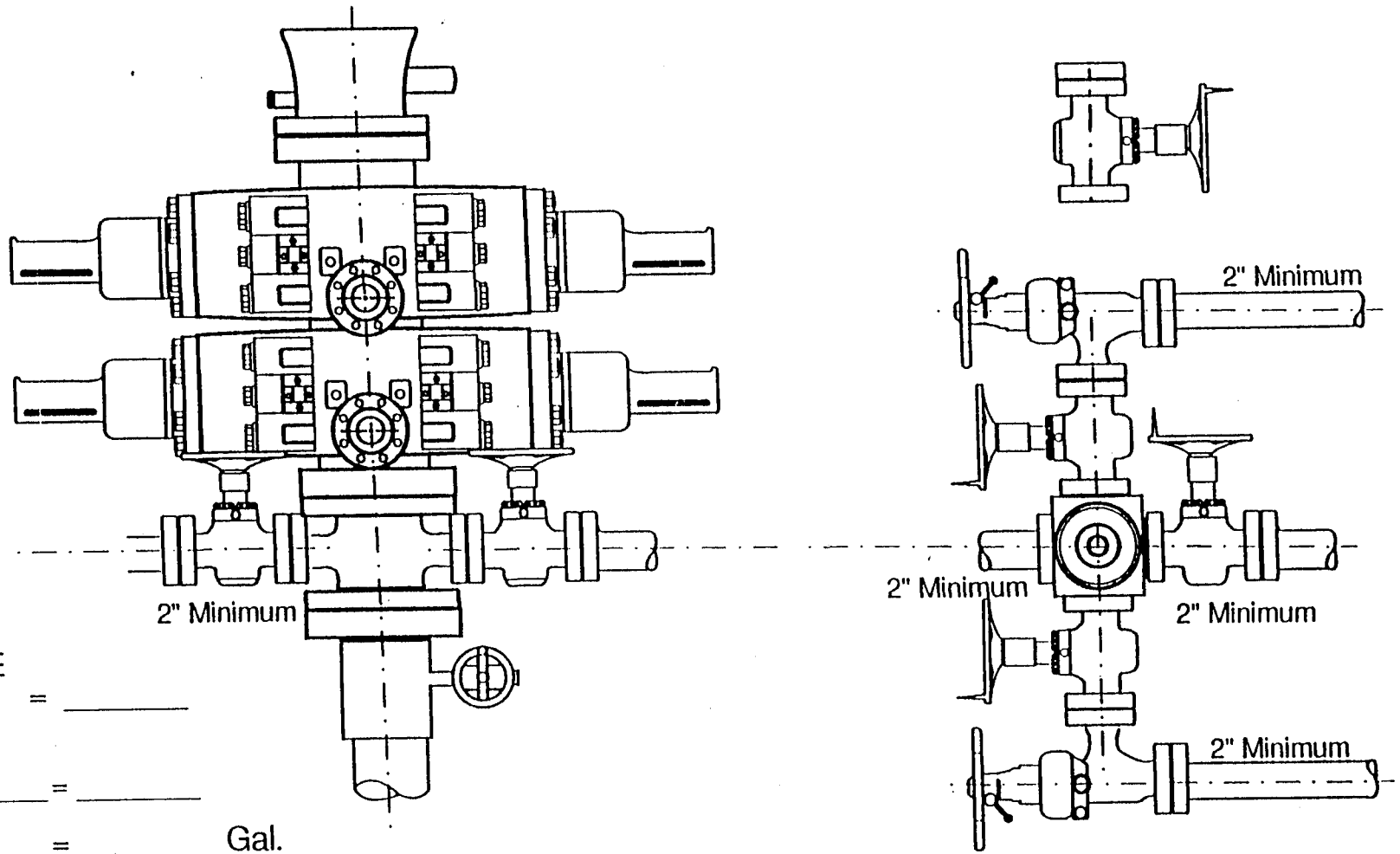
SCALE: 1" = 2000'

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

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

2-M SYSTEM

EXHIBIT F



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)

A CULTURAL RESOURCES SURVEY OF SUNDANCE STATE WELLS #1-32 AND #3-32 AND ACCESS ROADS, UINTAH COUNTY, UTAH

by

Heather M. Weymouth
Senior Archaeologist

and

Lynita S. Langley
Archaeologist

Prepared for:

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Prepared by:

Sagebrush Archaeological Consultants, L.L.C.
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403

Under Authority of Utah State Antiquities Permit No. U-96-SJ-0080s

Archaeological Report No. 849-01

February 29, 1996

INTRODUCTION

In December 1995, Inland Production Company (Inland) of Roosevelt, Utah requested that Sagebrush Archaeological Consultants, L.L.C. (Sagebrush) conduct a cultural resources inventory of Sundance State wells #1-32 (660' FNL 660' FEL) and #3-32 (1955' FWL 767' FNL) and accompanying access roads located on lands controlled by the State of Utah in Uintah County, Utah (Figure 1).

The proposed wells are located in T. 8S., R. 18E., S. 32 on USGS 7.5' Quadrangle Pariette SW, Utah (1964). The project was carried out by Heather M. Weymouth and Lynita S. Langley on February 19-20, 1996 under authority of Cultural Resources Use Permit No. 95UT54630 and Utah State Antiquities Permit No. U-95-SJ-0080s.

A file search for previously recorded cultural resource sites and paleontological localities located near the current project area was conducted by the Heather M. Weymouth and Lynita S. Langley on February 23, 1996 at the Bureau of Land Management, Vernal District Office to determine if any cultural resource projects had been conducted or sites recorded in or near the current project area. An additional file search was conducted by the Michael R. Polk at the Division of State History, Utah State Historic Preservation Office, Salt Lake City on February 21, 1996.

More than 20 previous cultural resources projects have been conducted in the area of the current project. Due to the large number of projects conducted in this area, individual project descriptions will not be listed. However, seven cultural resources sites and a number of paleontological localities are listed as being located near the current project area. Following is a brief description of these sites and localities:

Cultural Resource Sites

Site 42Un556. This site, located on the west face of Castle Peak Draw just below Odekirk Springs, is a prehistoric sandstone rock shelter with historic and modern graffiti. Artifacts noted include lithic flakes, bailing wire, charcoal and an iron spike. This site may have been previously recorded as 42Un514. The site has a potential for depth and was recommended ELIGIBLE to the NRHP.

Site 42Un1237. This site, located approximately 18 miles southwest of Myton on the north side of the road, consists of a small lithic scatter of mostly chert. The site was recommended NOT eligible to the NRHP.

Site 42Un1448. This site, located on a north facing slope overlooking an unnamed tributary to Pariette Draw, is a sparse lithic scatter. This site was recommended NOT eligible to the NRHP.

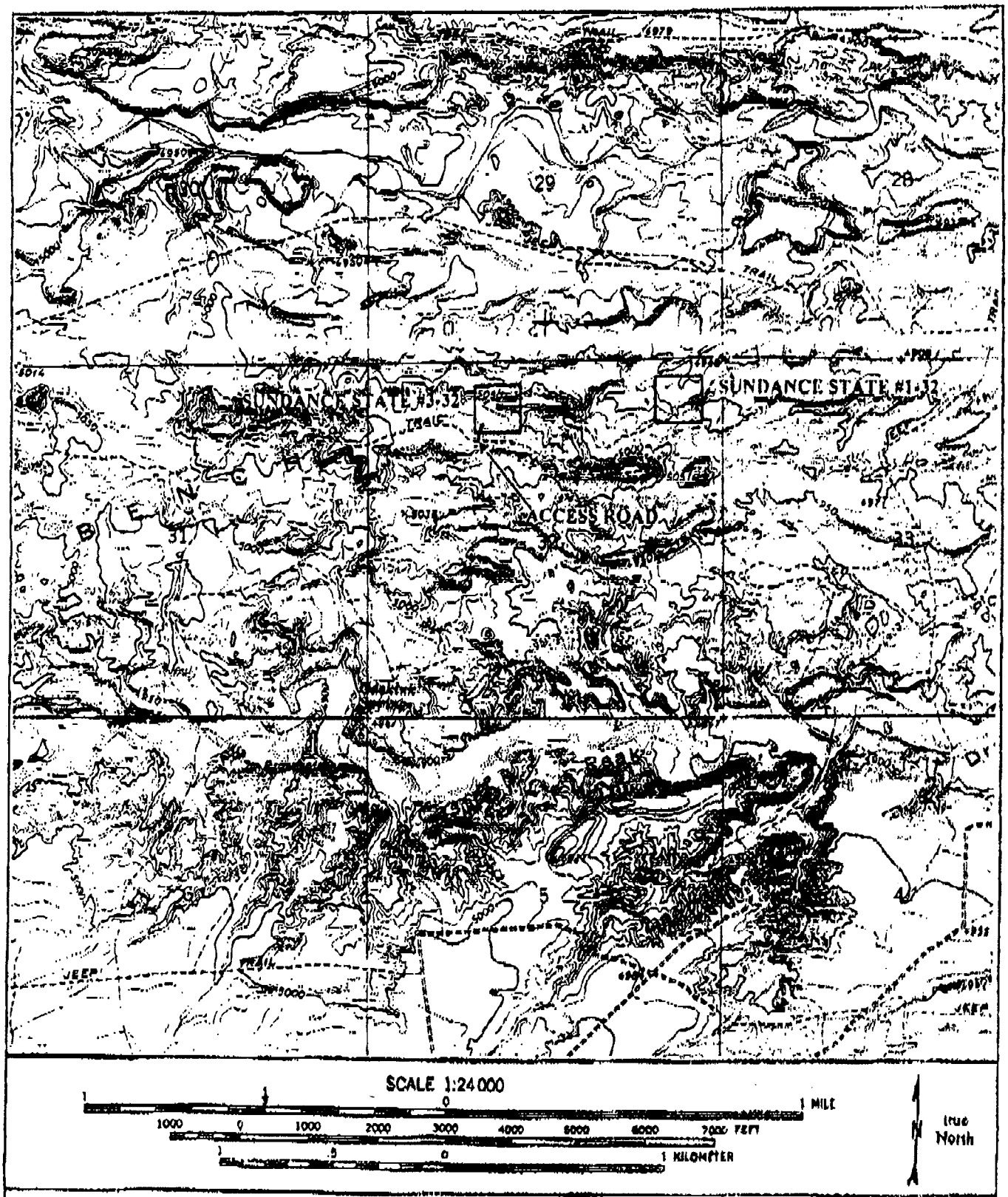


Figure 1. Location of Inland Resources Corporation's Sundance State Wells #1-32 and #3-32 and access road. Taken from USGS 7.5' Quadrangle Pariette Draw SW, Utah (1964).

Site 42Un1449. This site, located on a north facing slope overlooking an unnamed tributary to Pariette Draw, consists of scattered hearth remnants eroding from a sand dune. This site was recommended NOT eligible to the NRHP.

Site 42Un1450. This site, located on a north facing slope overlooking an unnamed tributary to Pariette Draw, consists of a sparse lithic scatter. This site was recommended NOT eligible to the NRHP.

Site 42Un1526. This site, located on a dune/desert pavement area in Pariette Draw, is a prehistoric campsite. Artifacts consist of a tool and lithic scatter with associated FCR. This site was recommended ELIGIBLE to the NRHP.

Site 42Un2099. This site, located on a low south-east facing sandstone bench overlooking a drainage, is a sparse lithic scatter with one crude chert biface and a fire altered rock scatter. This site was recommended NOT eligible to the NRHP.

Paleontological Localities

Locality 42Un357V. This locality situated on a small irregular shaped mesa near Pariette Draw, is located in the Uinta Formation of the Upper Eocene deposits and consists of turtle shell fragments.

Locality 42Un358V. This locality, located on a low mudstone knoll situated in a small canyon of an unnamed tributary of Pariette Draw, is found in the Uinta Formation of the Upper Eocene deposits and contains turtle fragments.

In addition to these searches, the National Register of Historic Places (NRHP) was consulted prior to conducting the survey. No NRHP listed or determined eligible sites were found to be in the vicinity of the current project area.

ENVIRONMENT

The well pads surveyed during this project lie approximately 15 miles south of Fort Duchesne, Utah near Pariette Draw. The well pads and access roads lie in an area of low rolling tablelands dissected by deep drainages and low eroding bedrock outcrops of sandstone and limestone. The surface sediments consist of an interfingering of fluvial deposits and thinly bedded Pleistocene lake bed deposits. Soils in these areas are poorly developed and extremely sandy in nature. Sediments consist of very fine grained, buff colored sand which contains a moderate amount of Pleistocene gravels and angular rock fragments of quartzite, mudstone.

blocky chert, limestone and sandstone. The elevation of the areas surveyed ranges between 5010 and 5050 feet a.s.l. Vegetation in the area is predominantly shadscale community species. Noted species include prickly pear cactus, ricegrass, greasewood, gray rabbitbrush, spiny horsebrush, desert buckwheat, bladderpod, spiny hopsage, Riddell groundsel and various other desert species. The nearest permanent water sources in the area are Pariette Draw and an unnamed tributary to Pariette Draw located to the north and east approximately one-half to one mile from the project area. Cultural disturbance in the project area, includes grazing, pre-existing well pad locations and a number of access roads leading to the well locations.

METHODOLOGY

The project area consists of two 40,469 m² (10 acre) parcels of land (201-by-201 m [660-by-660 ft]) centered on the proposed well heads and access roads connecting the well locations to pre-existing access roads. The well pads were inventoried by Heather M. Weymouth and Lynita S. Langley walking parallel transects spaced no more than 15 m apart. The well pad access roads, which totaled 40 m (120 ft) in length (outside of the 10 acre parcel), were walked in two parallel transects spaced 10 m (33 ft) apart to cover a corridor width of 30 m (100 ft) each. The total area surveyed during this project totaled 82,030 m² (20.27 acres).

RESULTS

A single prehistoric isolated artifact (IF-1) was located during survey of the Sundance State 1-32 well pad location. No cultural resources sites nor paleontological localities were found as a result of this inventory.

IF-1

IF-1, located in a washed out area approximately 70 m (250 ft) southeast of the proposed centerstake, consists of a single tertiary flake of a white chalcedony material. The flake measures 2.1 cm long by 1.5 cm wide by 0.3 cm thick. No other cultural material was noted at this location.

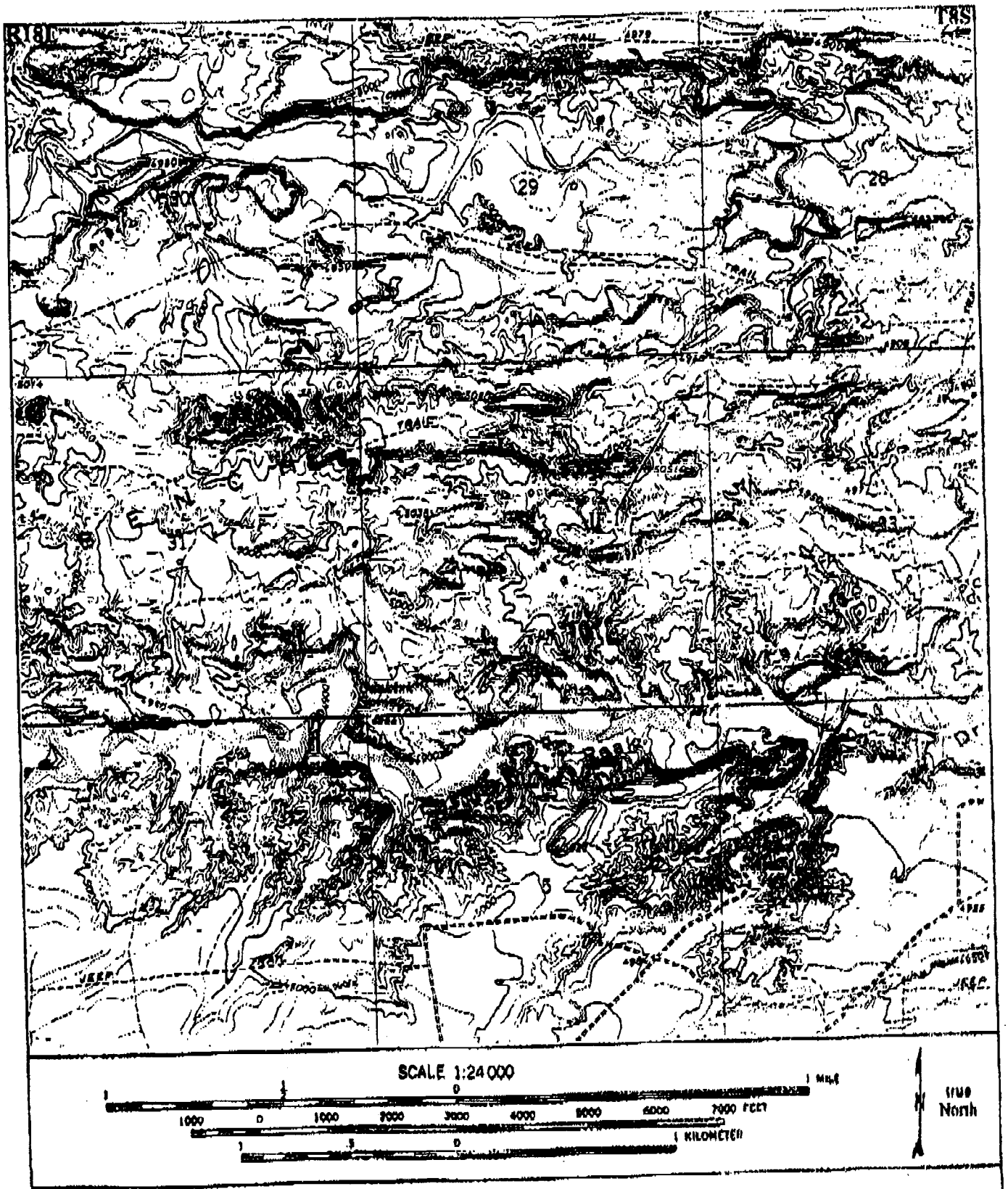


Figure 2. Location of IF-1 located during survey of Inland Resources Corporation's Sundance State Well #1-32. Taken from USGS 7.5' Quadrangle Pariette Draw SW, Utah (1964).

RECOMMENDATIONS

Since there were no significant cultural resources nor paleontological resources found, cultural and paleontological clearance is recommended for the proposed project.

This investigation was conducted with techniques which are considered to be adequate for evaluating cultural and paleontological resources which could be adversely affected by the project. However, should such resources be discovered during construction, a report should be made immediately to Blaine Phillips, Archaeologist, at Bureau of Land Management in Vernal, Utah.

003

JOHNSON WATER DISTRICT
R.R. 3 BOX 3188
ROOSEVELT, UT 84066
TELEPHONE (801) 722-2620

February 16, 1996

TO WHOM IT MAY CONCERN:

Inland Production Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Sundance State 1-32, and 3-32.

Sincerely,

Karen Ashby

Karen Ashby,
Secretary

016

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/15/1996

API NO. ASSIGNED: 43-047-32740

WELL NAME: SUNDANCE 1-32-8-18

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 32 080S 180E

SURFACE: 0660 FNL 0659 FEL

BOTTOM: 0660 FNL 0659 FEL

UINTAH

8 MILE FLAT NORTH (590)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22058

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	3/26/02
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

- ✓ Plat
- ✓ Bond: Fed[] Ind[] Sta[3] Fee[] (No. 4471291)
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- ✓ Water Permit (No. MUNICIPAL)
- N RDCC Review (Y/N) (Date:)
- N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- ___ R649-2-3. Unit
- ✓ R649-3-2. General
  Siting: 460 From Qtr/Qtr & 920' Between Wells
- ___ R649-3-3. Exception
- ___ Drilling Unit
  Board Cause No:
  Eff Date:
  Siting:
- ___ R649-3-11. Directional Drill

COMMENTS: Need presite. (02-06-02)

STIPULATIONS: 1- Statement of basis
2- Spacing Stip.

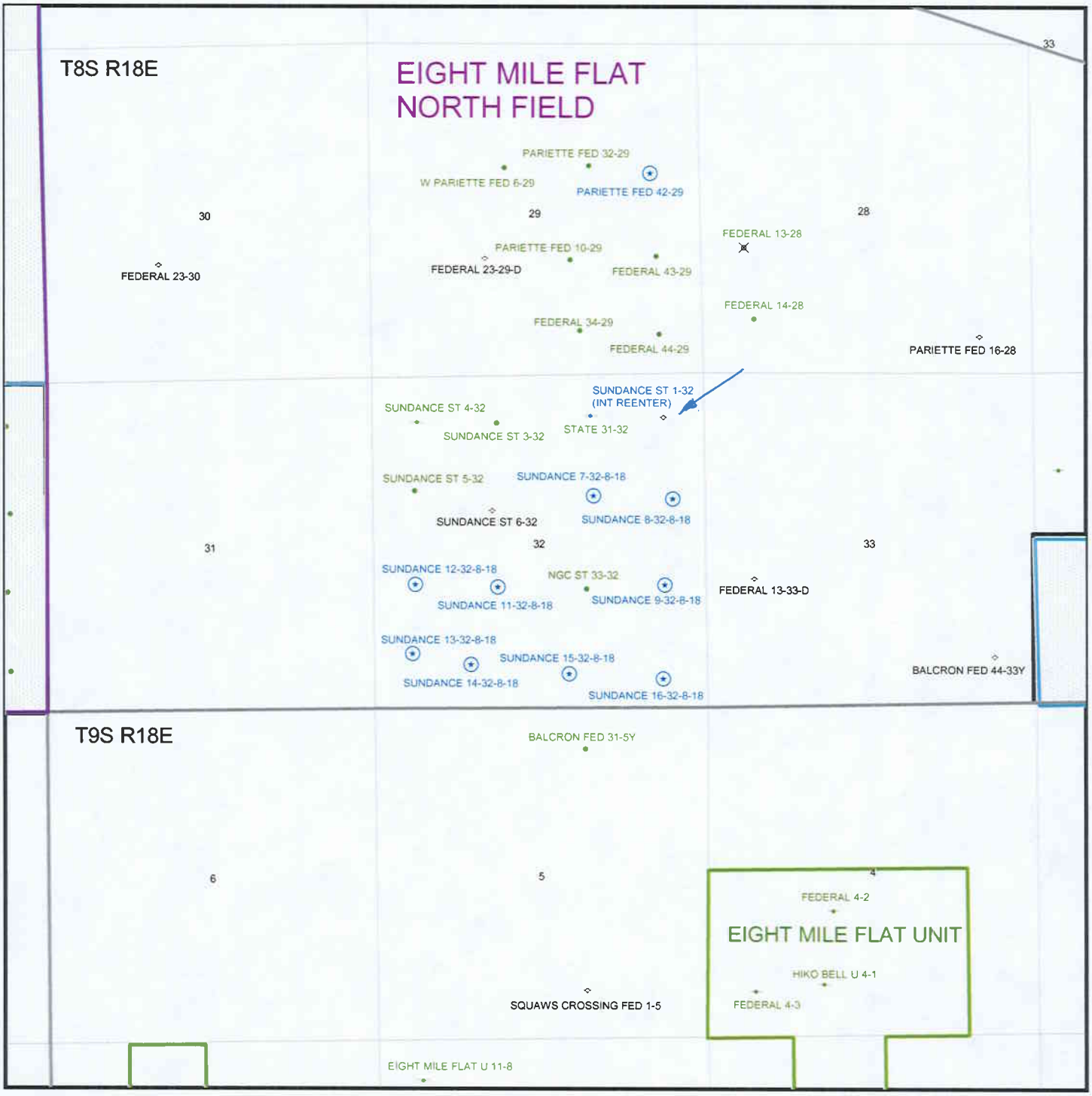
Utah Oil Gas and Mining

OPERATOR: INLAND PROD CO (N5160)

SEC. 32, T8S, R18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH SPACING: R649-3-2/GEN ST

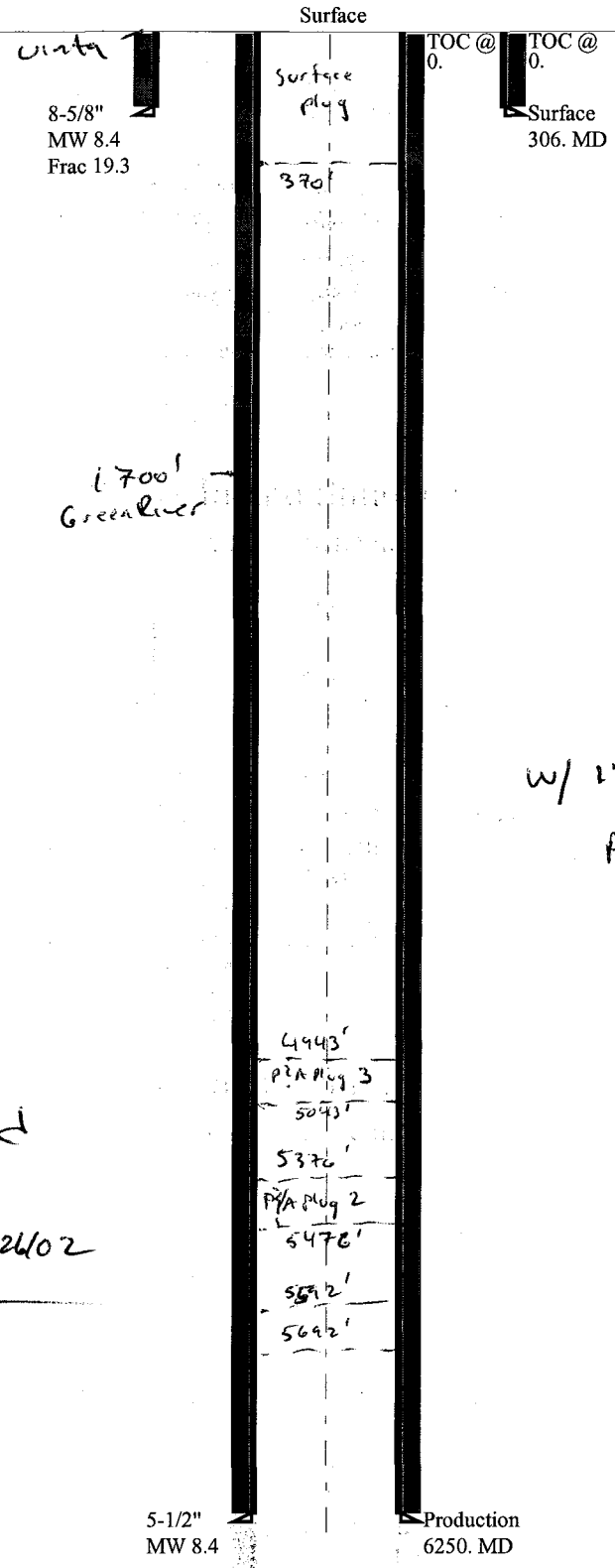


PREPARED BY: LCORDOVA
DATE: 1-FEBRUARY-2002

02-02 Inland Sundance 1-32-18

Casing Schematic

Reentry



w/ 38 washout
Original Surface Casing
Set & cemented
March 1996
cmt to surface (86bls)

w/ 12 % washout
Proposed Prod. casing

BOP

BHP
(0.052)(8.4)(6250) = 2730 psi
Anticipated = 2000 psi

Gas
(0.12)(6250) = 750 psi
MASP = 1980 psi

Gas/mud
(0.22)(6250) = 1375 psi
MASP = 1355 psi

2M BOPE proposed

Adequate DKD 3/26/02

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

Operator Name: INLAND PRODUCTION COMPANY
Well Name & Number: SUNDANCE 1-32-8-18
API Number: 43-047-32740
Location: 1/4,1/4 NE/NE **Sec.** 32 **T.** 8S **R.** 18E

Geology/Ground Water:

Inland has proposed setting 290' of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be at around 500'. A search of Division of Water Rights records indicates that no water wells are located within a 10,000 foot radius of the center of Section 32 . The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of interbedded sandstones and shales. The Sandstones are of a discontinuous nature and probably don't represent a significant aquifer. The existing casing should adequately protect any useable ground water.

Reviewer: Brad Hill
Date: 02/11/2002

Surface:

The pre-drill investigation of the surface was performed on 2/06/2002. Surface owner and mineral owner is State of Utah. SITLA and DWR were notified of this investigation on 1/31/2002. Miles Hanberg representing the DWR was present. This site is a reclaimed location and the well will be a PA re-entry. The previous well was the Sundance State 1-32.

Reviewer: David W. Hackford
Date: 2/7/2002

Conditions of Approval/Application for Permit to Drill:

None.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: INLAND PRODUCTION COMPANY
WELL NAME & NUMBER: SUNDANCE 1-32-8-18
API NUMBER: 43-047-32740
LEASE: ML-22058 **FIELD/UNIT:** MONUMENT BUTTE
LOCATION: 1/4,1/4 NE/NE **SEC:** 32 **TWP:** 8S **RNG:** 18E
659' **F E L** 660' **F N L**
LEGAL WELL SITING: **Statewide 400 foot window in center of 40 acre tract and no closer than 920 feet from another well.**
GPS COORD (UTM): 12592973E 4436989N
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS:
BRAD MECHAM, (INLAND): MILES HANBERG, (DWR): DAVID HACKFORD, (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY:
SITE IS 23.2 MILES SOUTHEAST OF MYTON, UTAH. THE SITE IS IN A SHALLOW BASIN WITH LOW RIDGES TO THE EAST, SOUTH AND WEST. DRAINAGE IS TO THE NORTH TOWARD PARIETTE CREEK 0.7 MILES AWAY.

SURFACE USE PLAN:

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING. HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 205' BY 212' AND ACCESS ROAD WOULD BE 590 FEET.

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

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. ANY PIPELINES NECESSARY FOR THIS WELL WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

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

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SHADSCALE, (LESS THAN 1% GROUND COVER: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN.

SOIL TYPE AND CHARACTERISTICS: LIGHT GRAY SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE ANY INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT:

CHARACTERISTICS: 80' BY 40' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN:
AS PER S.I.T.L.A.

SURFACE AGREEMENT: AS PER S.I.T.L.A.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS:

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A COLD, CLEAR DAY. THIS SITE IS A RECLAIMED LOCATION AND THE WELL WILL RE-ENTER THE PA'D WELLBORE. THIS WELL WAS NAMED THE SUNDANCE STATE 1-32. THE GROUND WAS PARTIALLY COVERED WITH SNOW.

ATTACHMENTS:

PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD	2/06/02--9:15 AM
DOGM REPRESENTATIVE	**DATE/TIME**

Evaluation Ranking Criteria and Ranking Score
For Reserve and On-site Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	5
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	0
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		5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0
Final Score		10


2002 2 7


2002 2 7

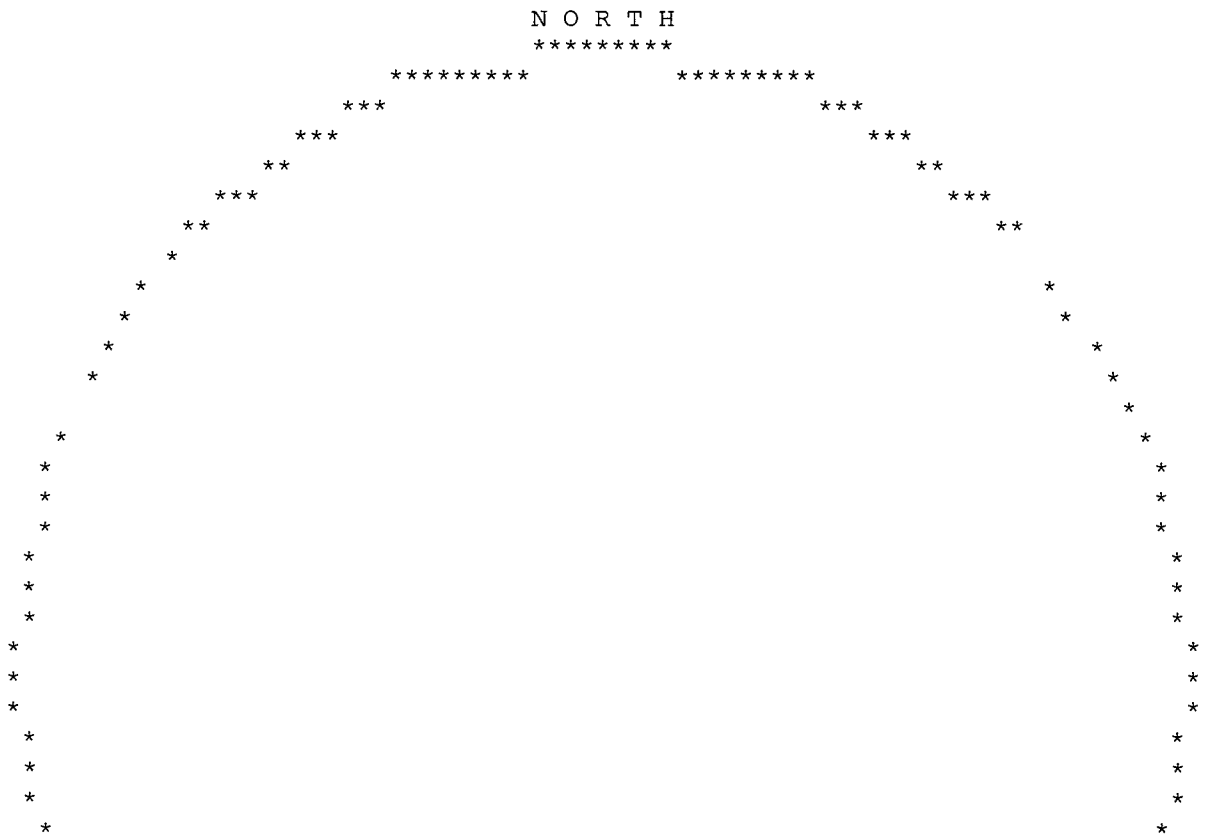

2002 2

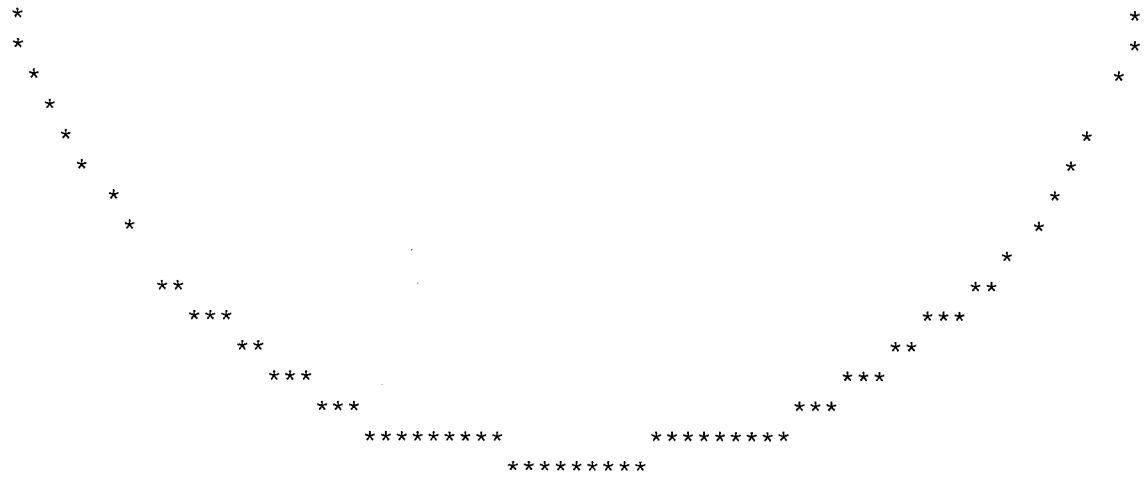

2002 2 7

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, FEB 11, 2002, 10:55 AM
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 32 TOWNSHIP 8S RANGE 18E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

March 4, 1996

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Re: Sundance State #1-32 Well, 660' FNL, 660' FEL, NE NE, Sec. 32, T. 8 S., R. 18 E., Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32740.

Sincerely,

R. J. Firth
Associate Director

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

Operator: Inland Production Company

Well Name & Number: Sundance State #1-32

API Number: 43-047-32740

Lease: ML-22058

Location: NE NE **Sec.** 32 **T.** 8 S. **R.** 18 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 within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

   Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

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. On-site Predrill Evaluation and Review

   Compliance with all requirements and stipulations developed during the onsite evaluation and review.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION

Well Name: SUNDANCE STATE 1-32

Api No. 43-047-32740

Section 32 Township 8S Range 18E County UINTAH

Drilling Contractor APOLLO

Rig # 59

SPUDDED: Date 3/14/96

Time 2:00 PM

How DRY HOLE

Drilling will commence

Reported by D. HACKFORD-DOGM

Telephone #

Date: 3/15/96 Signed: JLT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

WELL NAME: SUNDANCE STATE #1-32 API NO: 43-047-32740

QTR/QTR: NE/NE SECTION: 32 TOWNSHIP: 8S RANGE 18E

COMPANY NAME: INLAND PRODUCTION CO COMPANY MAN RUSS IVIE

INSPECTOR: DAVID W. HACKFORD DATE: 3/16/96

CASING INFORMATION: SURFACE CASING: YES

SIZE: 8 5/8" GRADE: J-55 24LB HOLE SIZE: 12 1/4 DEPTH: 310'

PIPE CENTRALIZED: THREE

CEMENTING COMPANY: HALLIBURTON (JOHN JORGENSEN)

CEMENTING STAGES: SINGLE

SLURRY INFORMATION:

1. CLASS: "G" ADDITIVES: 2% GEL AND 2% CAL CHLORIDE & 1/4# FLO-SEAL

LEAD : 120 SACKS TAIL:

2. SLURRY WEIGHT LBS. PER GALLON:

LEAD: 14.8 PPG TAIL:

3. WATER (GAL/SX)

LEAD: 6.4 GALLONS PER SACK TAIL:

CEMENT TO SURFACE: YES LOST RETURNS: NO

1 INCH INFORMATION: WEIGHT: CEMENT TO SURFACE:

FEET: SX: CLASS: CACLX: RETURNS:

ADDITIONAL COMMENTS: MR. IVIE TOLD ME THAT INLAND WAS NOW USING WOODEN PLUGS ON SURFACE JOBS. IN THE PAST NO PLUG WAS USED BUT BECAUSE OF PRESSURE FROM B.L.M. THEY HAVE CHANGED PROCEDURES. PLUG BUMPED AT 12:49 PM. CEMENT DID NOT FALL. APPROX. SEVEN BARRELS EXCESS.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: INLAND PRODUCTION COMPANY

WELL NAME: SUNDANCE STATE 1-32

QTR/QTR: NE/NE SECTION: 32 TOWNSHIP: 8S RANGE: 18E

COUNTY: UINTAH API NO: 43-047-32740

INSPECTOR: DAVID HACKFORD TIME: 11PM-10AM DATE: 3/24&25/96

SURFACE CASING SHOE DEPTH 305 GL CASING PULLED YES____ NO X

CASING PULLED: SIZE_____ CUT DEPTH_____ FT/CSG RECOVERED_____

CASING TESTED YES____ NO X TESTED TO: _____ PSI TIME:_____ MIN:

CEMENTING COMPANY: HALLIBURTON (JORGENSEN)

CEMENTING OPERATIONS: P&A WELL: X

PLUG 1. SET: FROM 5692 FT. TO 5547 FT. TAGGED YES X NO_____

SLURRY: 50 SX CLASS G 1% CACL 15.6 WT. 1.18 YIELD

PLUG 2. SET FROM 5473 FT. TO 5373 FT. TAGGED YES___ NO X

SLURRY: 50 SX CLASS G 15.6 WT. 1.18 YIELD

PLUG 3. SET FROM 5039 FT. TO 4939 FT. TAGGED YES___ NO X

SLURRY: 50 SX CLASS G 15.6 WT. 1.18 YIELD

PLUG 4. SET FROM FT. TO FT. TAGGED YES___ NO_____

SLURRY:

SURFACE PLUG: FROM 370 FT. TO SURFACE

ALL ANNULUS CEMENTED TO SURFACE: YES X NO_____

PLUGGING FLUID TYPE: KCL WATER

PERFORATIONS: FROM NA FT. TO FT.
FROM FT. TO FT.

1 CIBP SET: NA

2 CIBP SET:

ABANDONMENT MARKER: PLATE: _____ PIPE: X CORRECT INFORMATION: ____

COMMENTS: A PIPE MARKER WILL BE PUT IN PLACE. SURFACE PLUG CIRCULATED TO SURFACE. IT FELL 10' THROUGH BOPE OVER THE FIRST 15 MINUTES, THEN STAYED LEVEL FOR 30 MINUTES.

State of Utah
Division of Oil, Gas & Mining (OGM)

ON-SITE PREDRILL EVALUATION AND REVIEW FOR APPLICATION FOR PERMIT TO DRILL (APD)

OPERATOR:
Inland Production Company

WELL NO:	LEASE NO:
Sundance State 1-32	ml - 22058
API No:	LEASE TYPE:
43-047-32740	State [X] Fee [ ]

PROPOSED LOCATION

¼/¼:	SECTION:	TOWNSHIP:	RANGE:
NE NE	32	8 S	18 E

COUNTY:	FIELD:
UINTAH	Eight Mile Flat North

SURFACE:
660 FNL 660 FEL

BOTTOM HOLE:
Same As Above

GPS COORDINATES:
12592530 E 4437001 N

SURFACE OWNER:
State of Utah

SURFACE AGREEMENT: Yes [X] No [ ] CONFIDENTIAL: Yes [ ] No [ ]

LOCATING AND SITING:

[ ] UAC R649-2-3. Unit [ ]
[X] UAC R649-3-2. General
[ ] UAC R649-3-3. Exception
[ ] UCA 40-6-6. Drilling Unit -- Cause No. [ ]

DRILLING PROGRAM:

The following information is included in the Application for Permit to Drill submitted.

1. Surface Formation and Estimated Tops/Geologic Markers

2. Estimated Depths and Names of Anticipated Water, Oil, Gas or other Mineral Bearing Formations

   (All fresh water sands encountered during drilling shall be recorded and reported to the Division on Form 7.)

3. Well Control Equipment & Testing Procedures

4. Proposed Casing and Cementing Program

5. Mud Program, Circulating Medium, and Monitoring equipment

6. Coring, Testing, and Logging Program

7. Expected Bottom Hole Pressures and any anticipated Abnormal Pressures, Temperatures or Potential Hazards such as hydrogen sulfide, expectations and contingency plans for mitigating identified hazards

8. Any other information relative to the proposed operation.

Onsite Participants:

TOM LEACHFIELD (DWR), BRAD MECHAM (INLAND), DAVID HACKFORD AND DENNIS INGRAM (DOGM).

Regional Setting/Topography:

SEMI-DESERT HABITAT. SITE IS IN AN AREA OR ROLLING HILLS, ON A GRADUAL SLOPE TO THE NORTH TOWARD PARIETTE CREEK. ROCKY OUTCROPPING 100 FEET SOUTHEAST OF SITE.

SURFACE USE PLAN:

Current Surface Use: DOMESTIC LIVESTOCK AND WILDLIFE GRAZING.

Proposed Surface Disturbance: LOCATION WILL BE 275' BY 182'.

1. Existing Roads A DIRT OILFIELD SERVICE ROAD IS 0.1 MILE WEST OF SITE.

2. Planned Access Roads - include length of new road, length of existing road to be upgraded, maximum disturbed and travel surface widths, maximum grades, turnouts, surface materials, drainage, cattleguards 550' OF NEW ROAD WILL BE REQUIRED. IT WILL BE AN 18' CROWN ROAD WITH DRAINAGE DITCHES ALONG EITHER SIDE.

3. Location of existing wells within one-mile radius of proposed location, include water, injection, producing, drilling with present status of each well SEE ATTACHED MAP FROM THE GIS DATABASE.

4. Location of Production Facilities and Pipelines PRODUCTION FACILITIES WILL BE ON LOCATION.

5. Location and Type of Water Supply (include Division of Water Rights approval or identifying number) WATER WILL BE SUPPLIED BY TRUCK TO THE LOCATION WHILE DRILLING OPERATIONS ARE UNDERWAY.

6. Source of Construction Material MATERIALS WILL BE BORROWED FROM LOCATION SPOIL.

7. Waste Management Plan A MANAGEMENT PLAN FOR WASTE DISPOSAL HAS BEEN SUBMITTED TO DOGM.

8. Ancillary Facilities NONE WILL BE REQUIRED.

9. Well Site Layout SEE ATTACHED PLAT.

10. Surface Restoration Plans AS REQUIRED BY STATE LANDS.

ENVIRONMENTAL PARAMETERS:

Affected Floodplain and/or Wetlands:

A 404 dredge and fill permit may be required if this site is in or adjacent to a wetland or other established drainage or floodplain. (Contact the Army Corps of Engineers if there are concerns of this nature) NO.

Flora/Fauna:

Briefly describe the flora found on the proposed site and the fauna evidenced or sighted on or near the proposed location VEGATATION COVER CONSISTS OF SHADSCALE COMMUNITY SPECIES, PREDOMINATELY GREASEWOOD, CHEATGRASS AND SALTBRUSH. ANTELOPE, COYOTE, RABBIT, SMALL BIRDS, RAPTORS, LIZARDS AND OTHER SMALL REPTILES.

SURFACE GEOLOGY

Soil Type and Characteristics: LIGHT RED SANDY CLAY.

Surface Formation & Characteristics: UINTAH FORMATION, SOUTH FLANK OF UINTAH MOUNTAINS.

Erosion/Sedimentation/Stability: MINOR EROSION, MINOR SEDIMENTATION, NO STABILITY PROBLEMS ANTICIPATED.

Paleontological Potential Observed: NONE OBSERVED.

RESERVE PIT

Characteristics: 50' BY 80' AND 10' DEEP.

Lining (Site ranking form attached): A 12 MIL PLASTIC LINER WILLL BE REQUIRED.

OTHER OBSERVATIONS

Cultural Resources/Archaeology (if proposed location is on State land, has an archaeology clearance been obtained?): AN ARCHAEOLOGY SURVEY HAS BEEN COMPLETED BY SAGEBRUSH ARCHAEOLOGICAL CONSULTANTS, LLC.

Comments: PRE-SITE WAS PERFORMED ON A COLD DAY WITH ONLY SMALL PATCHES OF SNOW COVER.

DAVID W. HACKFORD
OGM Representative

2/28/96 8:00 AM
Date and Time

STATEMENTS OF BASIS

OGM Review of Application for Permit to Drill (APD)

Company: INLAND PRODUCTION CO. **Well Name:** SUNDANCE STATE #1-32

ENGINEERING/LOCATING and SITING:

The proposed location meets the location and siting requirements of R649-3-2. The application and proposed casing and drilling plan appear to be consistent with accepted industry standards of practice and sound engineering design. A casing design safety check is attached. Blow out prevention and monitoring/contingency plans are adequate.

Signature: F. R. Matthews **Date:** 03/04/96

GEOLOGY/GROUND WATER:

The base of moderately saline water is at a depth of approximately 300-400 feet. Water may not be present in the shallow sands due to lack of recharge. The proposed casing and cement program will adequately protect any water encountered.

Signature: D. Jarvis **Date:** 3/4/96

SURFACE:

THE PRE-SITE INSPECTION OF THE SURFACE HAS BEEN PERFORMED BY FIELD PERSONNEL. ALL APPLICABLE MANAGEMENT AGENCIES AND LAND OWNERS HAVE BEEN NOTIFIED AND THEIR CONCERNS ACCOMODATED WHERE REASONABLE AND POSSIBLE.

Signature: DAVID W. HACKFORD **Date:** 2/28/96

STIPULATIONS for APD Approval:

1. A 12 MIL PIT LINER WILL BE REQUIRED IN RESERVE PIT. PIT MUST BE ON EAST SIDE OF LOCATION.
2. EXISTING GULLY CROSSING SITE MUST BE REROUTED WEST OF LOCATION.
3. ANY CHANGES TO BE APPROVED BY DOGM.
4.

ATTACHMENTS:

1. PHOTOGRAPHS OF SITE WILL BE PUT ON FILE.

Evaluation Ranking Criteria and Ranking Score

For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater (feet)		0
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	
Distance to Surf. Water (feet)		0
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	
Distance to Nearest Municipal Well (feet)		0
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	
Distance to Other Wells (feet)		0
>1320	0	
300 to 1320	10	
<300	20	
Native Soil Type		20
Low permeability	0	
Mod. permeability	10	
High permeability	20	

Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	 0 5 10 15 20	5
Drill Cuttings Normal Rock Salt or detrimental	 0 10	0
Annual Precipitation (inches) <10 10 to 20 >20	 0 5 10	0
Affected Populations <10 10 to 30 30 to 50 >50	 0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	 0 10 15	0

Final Score	25

The summation of all of the above ranking scores will yield one value which shall be used to determine the appropriate type of containment, on a case-by-case basis. The sensitivity levels are as follows:

Level I Sensitivity: For scores totaling $\geq$20
Level II Sensitivity: For scores totaling 15 to 19
Level III Sensitivity: For scores totaling <15

Containment Requirements According to Sensitivity Level

Level I: Requires total containment by synthetic liner, concrete structure or other type of total containment structure or material.

Level II: Bentonite or other compatible lining is discretionary depending on the fluid to be contained and environmental sensitivity.

Level III: No specific lining requirements.

OTHER GUIDELINES FOR PITS

1. Unlined pits shall not be constructed on areas of fill materials.

2. A pit shall not be constructed in a drainages or floodplain of flowing or intermittent streams.

3. Synthetic liners used for lining reserve pits, shall be of 12 mil thickness or greater and shall be compatible with the fluid to be contained. Synthetic liners used for lining onsite pits with a longer expected life shall be a minimum of 30 mil thickness or as approved by the Division.

4. Synthetic liners shall be installed over smooth fill material which is free of pockets, loose rocks or other materials which could damage the liner.

5. Monitoring systems for pits or closed mud systems may be required for drilling in sensitive areas.

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: INLAND PRODUCTION CO	Well Name: SUNDANCE STATE 1-32
Project ID: 43-047-32740	Location: SEC. 32 - T08S - R18E

Design Parameters:

Mud weight (10.00 ppg) : 0.519 psi/ft
Shut in surface pressure : 2853 psi
Internal gradient (burst) : 0.081 psi/ft
Annular gradient (burst) : 0.000 psi/ft
Tensile load is determined using air weight
Service rating is "Sweet"

Design Factors:

Collapse : 1.125
Burst : 1.00
8 Round : 1.80 (J)
Buttress : 1.60 (J)
Other : 1.50 (J)
Body Yield : 1.50 (B)

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,500	5.500	15.50	J-55	LT&C	6,500	4.825	

	Collapse Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	S.F.	Tension Load (kips)	Tension Strgth (kips)	S.F.
1	3377	4040	1.196	3377	4810	1.42	100.75	217	2.15 J

Prepared by : MATTHEWS, Salt Lake City, Utah
Date : 03-04-1996
Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.
SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)
String type: Production
The mud gradient and bottom hole pressures (for burst) are 0.519 psi/ft and 3,377 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
Costs for this design are based on a 1987 pricing model. (Version 1.07)

007

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. N5160

ADDRESS P.O. BOX 1446
ROOSEVELT, UT 84066

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11886	43-047-32740	Sundance State #1-32	NENE	32	8S	18E	Uintah	3/14/96	3/14/96

WELL 1 COMMENTS: Entity added 3-18-96. Lec

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

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

(3/89)

Signature Cheryl Cameron

Reg. Compl. Spec. 3/18/96
Title Date

Phone No. (801) 722-5103

3-21-96

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

008

RECEIVED
MAR 21 1996
DIV OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Gas well [ ] Other

2. Name of Operator
Inland Production Company

3. Address and Telephone No.
P.O. Box 1446 Roosevelt, Utah 84066 (801) 722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/SW 660' FNL & 660' FEL
Sec. 32, T8S, R18E

5. Lease Designation and Serial No.
ML-22058

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.
S.S. #1-32

9. API Well No.
43-047-32740

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Uintah County, UT

12

	TYPE OF ACTION		
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
	[ ] Recompletion	[ ] New Construction	
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing	
	[ ] Casing repair	[ ] Water Shut-off	
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection	
	[ ] Other *Spud Notification*	[ ] Dispose Water	

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally

Drilled 12 1/4" hole to 310' w/ Leon Ross Rathole Rig. Set 307.21' of 8 5/8" csg.
Cmt w/ 120 sx prem + A-G w/ 2% Gel + CaCl + 1/4#/sk flocele. Drilled Rat & Mouse Hole.

SPUD @ 10:00 AM 3/14/96

14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Title *Regulatory Compliance Specialist* Date 3/18/96

Cheryl Cameron

(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.

009

0485T

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Inland Production

Representative Brad Mecham Telephone No.

Well Name and No. Sundance 1-32

Location 1/4 1/4, Sec. 32 T. 8S R. 18E County Uintah

Lease Type (Federal, Tribal, State or Private) State

Has operator obtained proper Federal or Tribal approval?

T. D. 6255 Open hole from 320 to 6255

Hole Size	Casing Size	Set at	TOC	Pull Casing?
12 1/4	8 5/8	320	Surface	No

Formation	Top	Base	Shows?	
Castlegate LS	5740		No	4' sd in btm No depth given
Blackhawk	5373		No	
Douglas Creek	4973		No	
Point 3	4558		No	

Plugging procedure:

Plug #1	6255 - 6155	100'	
Plug #2	5473 - 5373	100'	
Plug #3	5039 - 4939	100'	
Plug #4	370 - 270	100'	Tag
Surface		10 sk	

Remarks: (DST's, LCZ's, Water flows, etc.)

Mecham called back @ 3:45 not enough DP to set to Btm. 5700' DP told him to set 100' plug @ 5700' + Tag it.

Approved by JPM Date 3/24/96 Time 3:20 PM

010

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Gas well [ ] Other

2. Name of Operator
Inland Production Company

3. Address and Telephone No.
P.O. Box 1446 Roosevelt, Utah 84066 (801) 722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/SW 660' FNL & 660' FEL
Sec. 32, T8S, R18E

5. Lease Designation and Serial No.
ML-22058

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.
S.S. #1-32

9. API Well No.
43-047-32740

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Uintah County, UT

12

	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing repair	[ ] Water Shut-off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other *Weekly Status*	[ ] Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally

WEEKLY STATUS REPORT FOR WEEK OF 3/19/96 - 3/25/96:

Drilled 7 7/8" hole from 310' - 6250' w/ Kenting Apollo, Rig #59.
Plug as per State Requirements as follows:

Plug #1: 5692' - 5592' Cmt w/ 50 sx prem + cmt w/ 1% cc
Plug #2: 5476' - 5376' Cmt w/ 50 sx prem +
Plug #3: 5043' - 4943' Cmt w/ 50 sx prem +
Plug #4: Set surface plug @ 370' to surface w/ 165 sx prem + cmt

RELEASE RIG @ 11:00AM

14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Title *Regulatory Compliance Specialist* Date 3/26/96
Cheryl Cameron

(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.

Form OGCC-3

011

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other P & A

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

2. NAME OF OPERATOR
Inland Production Company

3. ADDRESS OF OPERATOR
P.O. Box 1446 Roosevelt, Utah 84066

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface SE/SW
At top prod. interval reported below 660' FNL & 660' FEL
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
ML-22058

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Sundance State

9. WELL NO.
#1-32

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 32, T8S, R18E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32740	03/04/96	Uintah	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
03/14/96	03/23/96	P & A 3-25-96	4955' GR	-

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6250'	-	-	→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NONE

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, CNL 4-24-96

27. WAS WELL CORED
NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	305.61'	12 1/4	120 sx prem+ w/2% CaCl +	1/4#/sx flocele

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
NONE

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Back	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
N/A	Plugged & Abandoned	P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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.*)

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 Brad Mecham TITLE Operations Manager DATE 04/15/96

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement"*: Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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.
Garden Gulch Mkr	4274'		#32
Point 3 Mkr	4512'		Plugging Procedure:
X Marker	4758'		Plug#1: 5692'-5592' Cmt w/50 sx prem+ cmt w/1%CC
Y Marker	4792'		Plug#2: 5476'-5376' Cmt w/50 sx prem+
Douglas Ck Mkr	4926'		Plug#3: 5043'-4943' Cmt w/50 sx prem+
BiCarbonate Mkr	4170'		Plug#4: Set surf plug @ 370'-surf w/165 sx prem+ cmt
BLimestone	Missing		
Castle Peak	5755'		
Basal Carbonate	6144'		

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

Microfilmed

to this point

014

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

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-22058	6. SURFACE: State
1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐	7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
B. TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☐	8. UNIT or CA AGREEMENT NAME: N/A
2. NAME OF OPERATOR: Inland Production Company	9. WELL NAME and NUMBER: Sundance 1-32-8-18
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052 / PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: ~~Monument Butte~~ 8 mile Flat North
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NE/NE 660' FNL 659' FEL 4436982 N 592986 E AT PROPOSED PRODUCING ZONE:	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 32 T8S 18E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 23.2 miles southeast of Myton, UT	12. COUNTY: Uintah / 13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approximately 659' f/lse line / 16. NUMBER OF ACRES IN LEASE: 640 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approximately 1426' / 19. PROPOSED DEPTH: 6,500	20. BOND DESCRIPTION: Hartford Accident #4471291
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4954.7 GR / 22. APPROXIMATE DATE WORK WILL START: 4/1/2002	23. ESTIMATED DURATION: 7 days

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24#	290	Class G Cement 155sx +/-10% 1.17 Cu Ft/sk 15.8 PPG
7 7/8	5 1/2 J-55 15.5#	6,500	Premium Lite II 275sx lead 3.43 Cu Ft/sk 11.0 PPG
			Class G Cement 450sx tail 1.59 Cu Ft/sk 14.2 PPG

Amended 2-21-02 lc

RECEIVED
JAN 17 2002
DIVISION OF
OIL, GAS AND MINING

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Permit Clerk

SIGNATURE Mandie Crozier DATE 1/15/02

(This space for State use only)

API NUMBER ASSIGNED: 43-047-32740 APPROVAL:

(11/2001) (See Instructions on Reverse Side)

013

Inland
PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

RECEIVED
MAR 2 1 2002
DIVISION OF
OIL, GAS AND MINING

March 19, 2002

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

RE: Application for Permit to Drill: Sundance 1-32-8-18.

Dear Brad:

Enclosed find an APD for re-entry on the above referenced well. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier

Mandie Crozier
Permit Clerk

cc: Bureau of Land Management

mc
enclosures

012

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

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-22058	6. SURFACE: State
1A. TYPE OF WORK: DRILL ☐ REENTER ☑ DEEPEN ☐	7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
B. TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑	8. UNIT or CA AGREEMENT NAME: NA
2. NAME OF OPERATOR: Inland Production Company	9. WELL NAME and NUMBER: Sundance 1-32-8-18
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052 / PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: ~~Monument Butte~~ 8 mile Flat North
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NE/NE 660' FNL 659' FEL 4436906 Y 592975 X AT PROPOSED PRODUCING ZONE:	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 32 T8S 18E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 23.2 miles southeast of Myton, UT	12. COUNTY: Uintah / 13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approximately 659' f/lse line	16. NUMBER OF ACRES IN LEASE: 640 acres / 17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approximately 1426'	19. PROPOSED DEPTH: 6,250 / 20. BOND DESCRIPTION: Hartford Accident #4471291
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4954.7 GR	22. APPROXIMATE DATE WORK WILL START: 8/1/2002 / 23. ESTIMATED DURATION: 7 Days

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	8 5/8	J-55	24#	300	Class G Cement	155sx +/-10% 1.17 Cu Ft/sk	15.8 PPG
7 7/8	5 1/2	J-55	15.5#	6,250	Premium Lite II	275sx lead 3.43 Cu Ft/sk	11.0 PPG
					Class G Cement	450 sx tail 1.59 Cu Ft/sk	14.2 PPG

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Permit Clerk

SIGNATURE Mandie Crozier DATE 3/19/02

(This space for State use only)

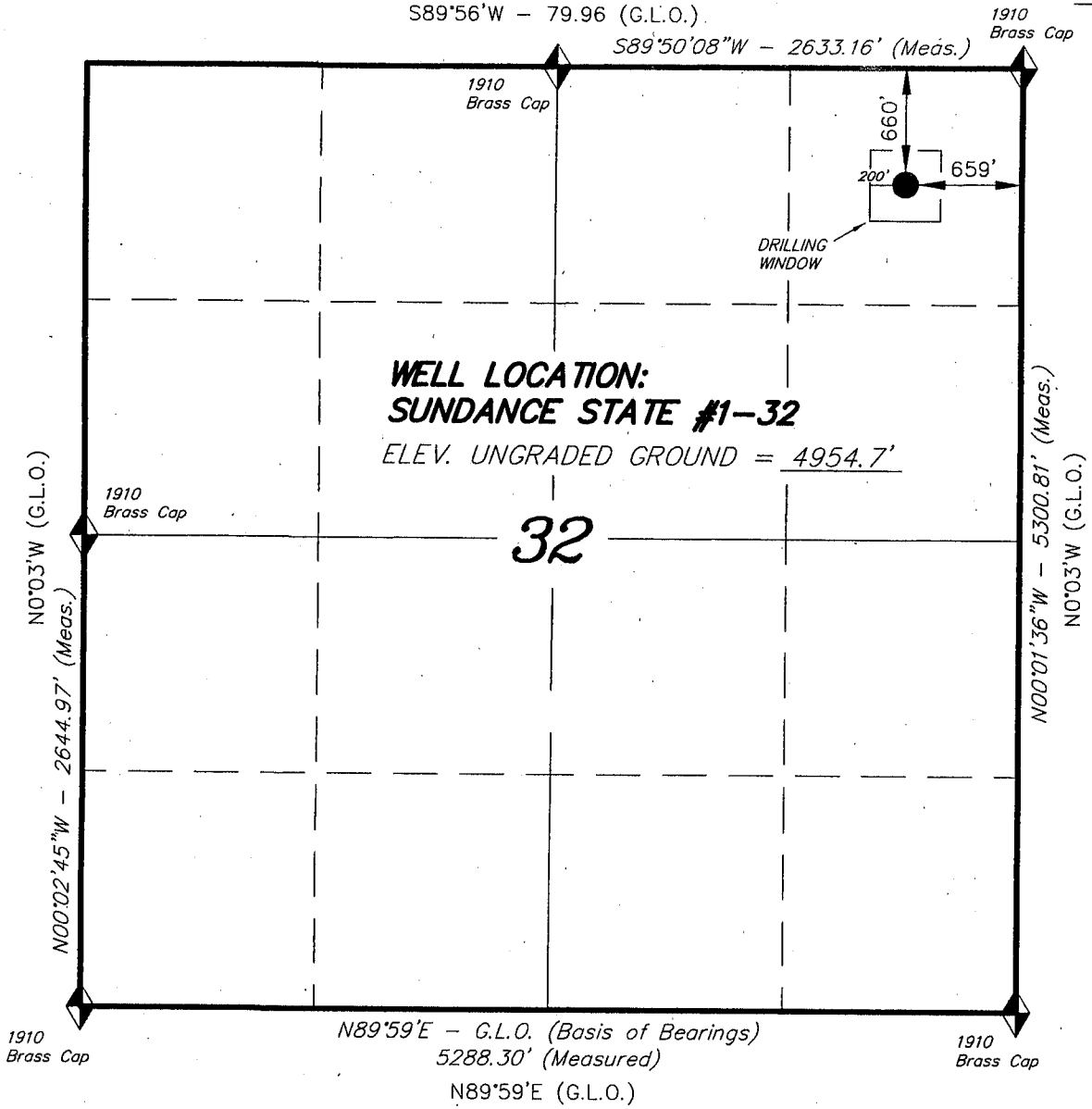
API NUMBER ASSIGNED: 43-047-32740

Approved by the Utah Division of Oil, Gas and Mining
APPROVAL:
Date: 05-16-02
By:

RECEIVED
MAR 21 2002
DIVISION OF OIL, GAS AND MINING

(11/2001) (See Instructions on Reverse Side)

T8S, R18E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

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

INLAND PRODUCTION COMPANY

WELL LOCATION, SUNDANCE STATE #1-32, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 32, T8S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.

N

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

REGISTERED LAND SURVEYOR No. 189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 12-18-01	DRAWN BY: J.R.S.
NOTES:	FILE #

INLAND PRODUCTION COMPANY
SUNDANCE 1-32-8-18
NE/NE SECTION 32, T8S, R18E
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

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

Green River Formation 1700' – 6148' – Oil

4. **PROPOSED CASING PROGRAM:**

Existing 8 5/8 Casing set @ 306'.

Production Casing:5-1/2", 15.5#, J-55 w/LT&C casing to TD @ 6250'. (New or used, inspected).

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

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

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

The cement plugs will be drilled out with a fresh water system. A KCL substitute will be utilized for clay stabilization. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor 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 TIW valve.

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

No drill stem testing has been scheduled for this well. Open hole logs were run when the well was originally drilled. The Compensated Neutron/Formation Density Log was run from 3000' to 6250' KB. The Dual Induction/Gamma Ray Log was run from 318' to 6250' KB. New open hole logs will not be run.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal pressures or temperatures were encountered during the initial drilling of this well. The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal pressures or temperatures will be encountered.

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

It is anticipated that operations will commence the third quarter of 2002, and take approximately seven (7) days from spud to rig release.

INLAND PRODUCTION COMPANY
SUNDANCE 1-32-8-18
NE/NE SECTION 32, T8S, R18E
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Inland Production Company well location site Sundance 1-32-8-18 located in the NE¼ NE¼ Section 32, T8S, R18E, S.L.B. & M., Uintah County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed southeasterly along Utah State Highway 53 approximately 13.8 miles to its junction with an existing road to the north; proceed northerly 0.3 miles to its junction with an existing road to the east; proceed northeasterly 4.9 miles to its junction with an existing road to the north; proceed northeasterly and then southwesterly 2.6 miles to its junction with the beginning of the proposed access road to the proposed well 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 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**

See attached **Topographic Map "B"**.

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

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

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

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

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B.**

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 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

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

Fresh water for this well will be trucked from Inland Production Company's injection facilities – **EXHIBIT A.**

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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**

A small reserve pit (40' x 20' x 6') will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. 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. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

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.

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 centered 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 recontoured to the approximated natural contours. Weather permitting, 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.

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 is enclosed.

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. 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 Sundance 1-32-8-18, Inland 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 Sundance 1-32-8-18 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name:	Brad Mecham
Address:	Inland Production Company
	Route 3, Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #1-32-8-18, NE/NE Section 32, T8S, R18E, LEASE #ML-22058, 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 drill site 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 Resources, Inc. 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 the 18 U.S.C. 1001 for the filing of a false statement.

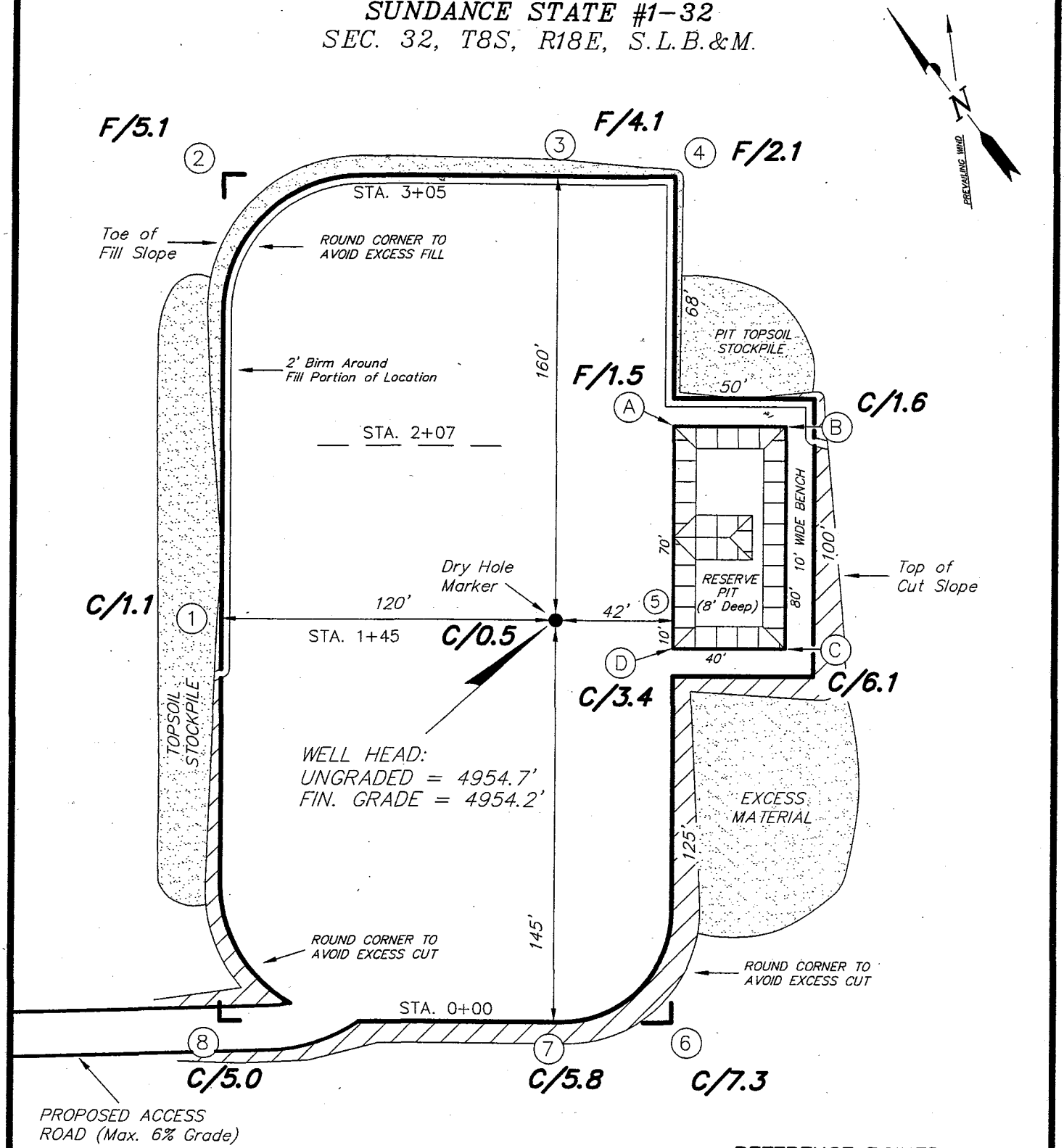
3/19/02
Date

Mandie Crozier
Permit Clerk
Inland Production Company

INLAND PRODUCTION COMPANY

SUNDANCE STATE #1-32

SEC. 32, T8S, R18E, S.L.B.&M.



REFERENCE POINTS

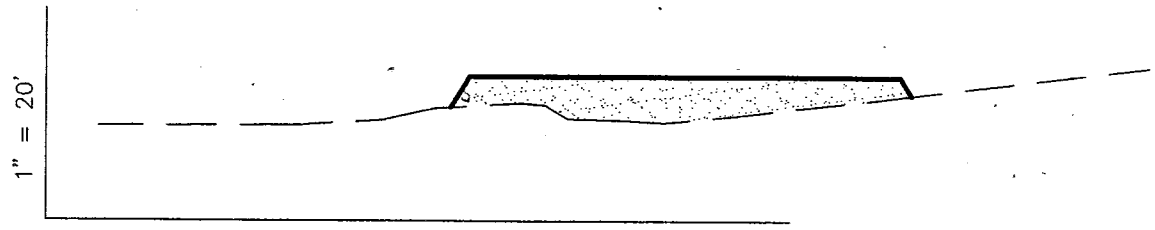
210' NORTHEAST = 4950.0'
260' NORTHEAST = 4950.3'
170' NORTHWEST = 4953.9'
220' NORTHWEST = 4952.6'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 12-18-01	38 WEST 100 NORTH VERNAL, UTAH 84078	

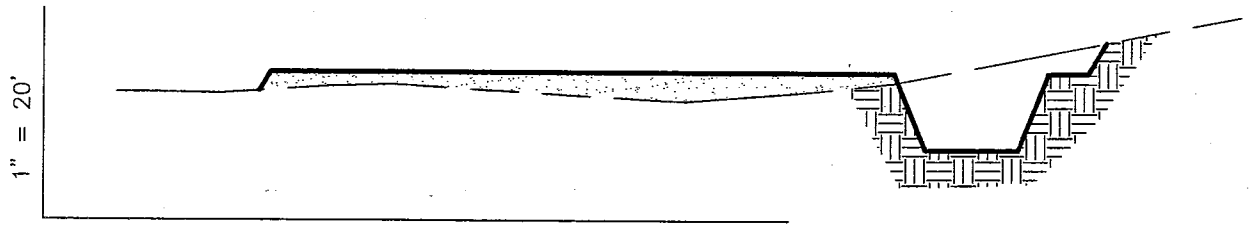
INLAND PRODUCTION COMPANY

CROSS SECTIONS

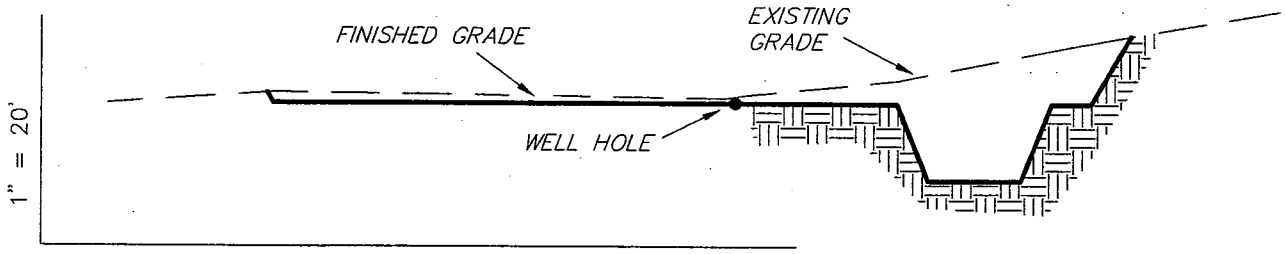
SUNDANCE STATE #1-32



STA. 3+05



STA. 2+07



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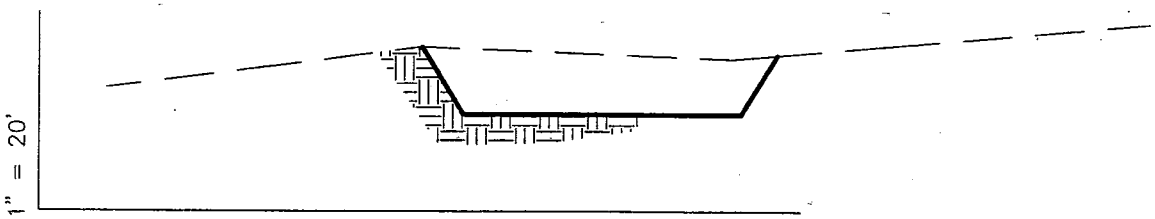


STA. 0+00

ESTIMATED EARTHWORK QUANTITIES (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,370	2,680	Topsoil is not included in Pad Cut	690
PIT	640	0		640
TOTALS	4,010	2,680	1,010	1,330

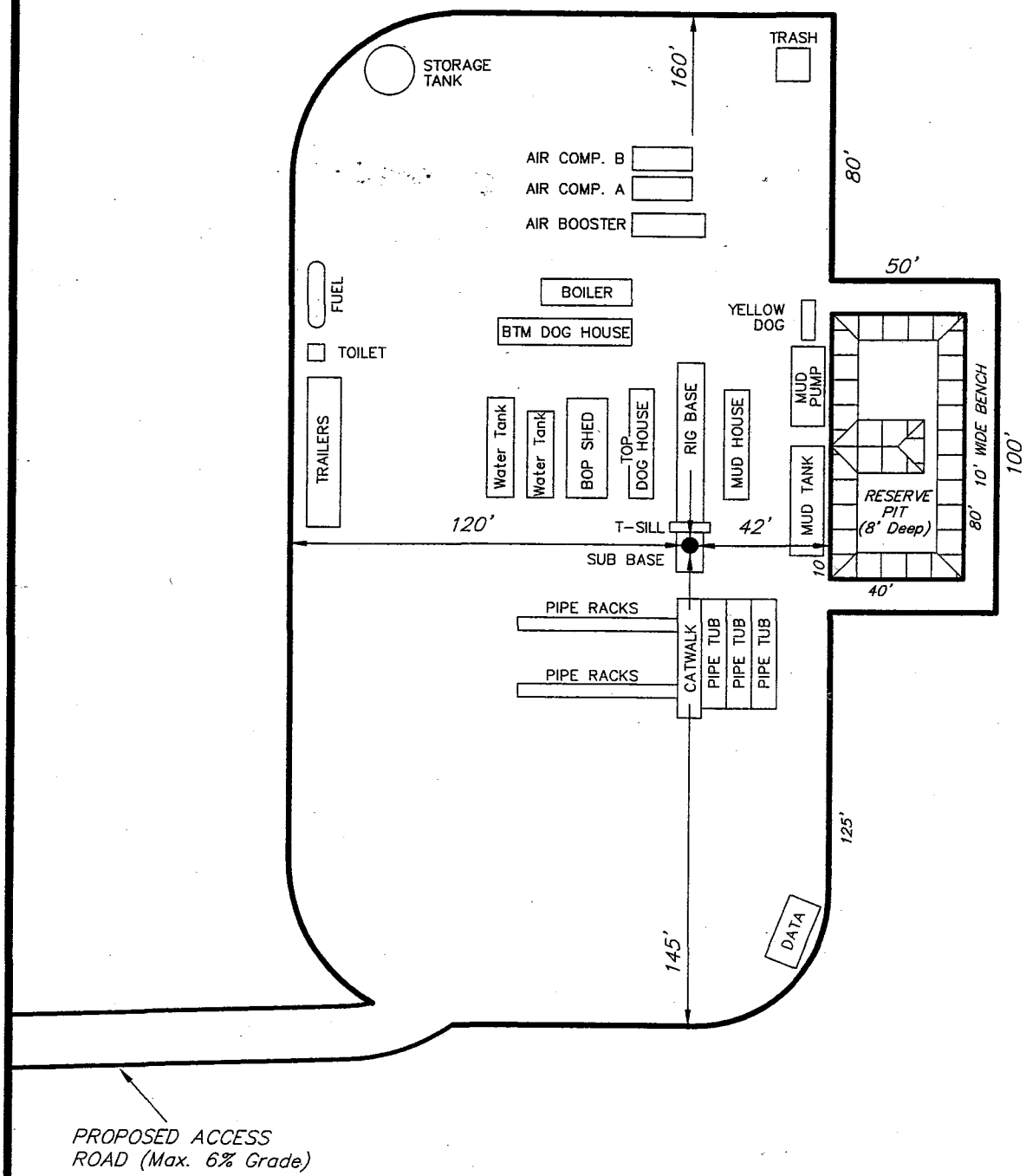
NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 12-18-01	38 WEST 100 NORTH VERNAL, UTAH 84078	

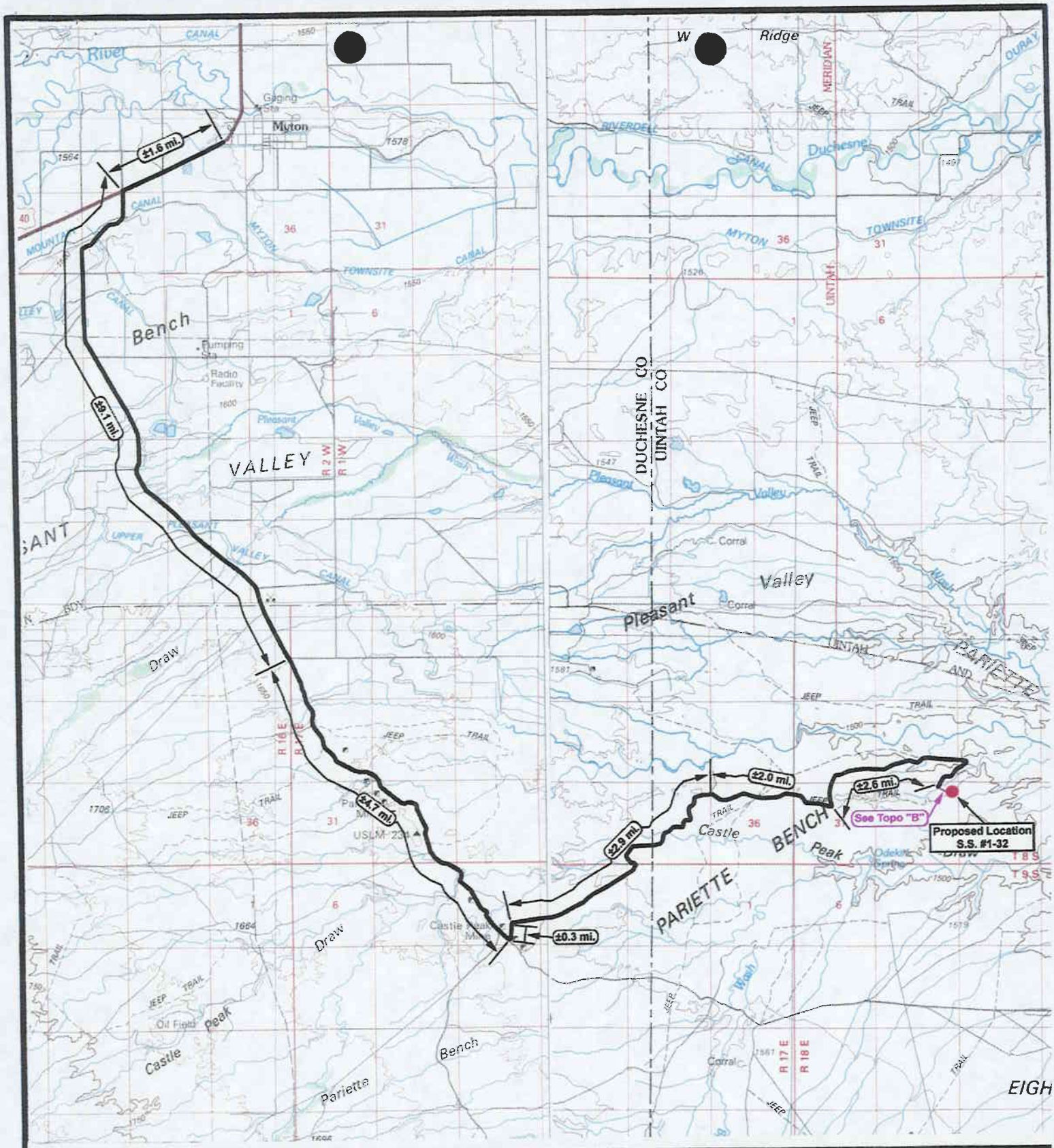
INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

SUNDANCE STATE #1-32



SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 12-18-01	38 WEST 100 NORTH VERNAL, UTAH 84078	



Inland RESOURCES INC.

Sundance State #1-32
SEC. 32, T8S, R18E, S.L.B.&M.

N

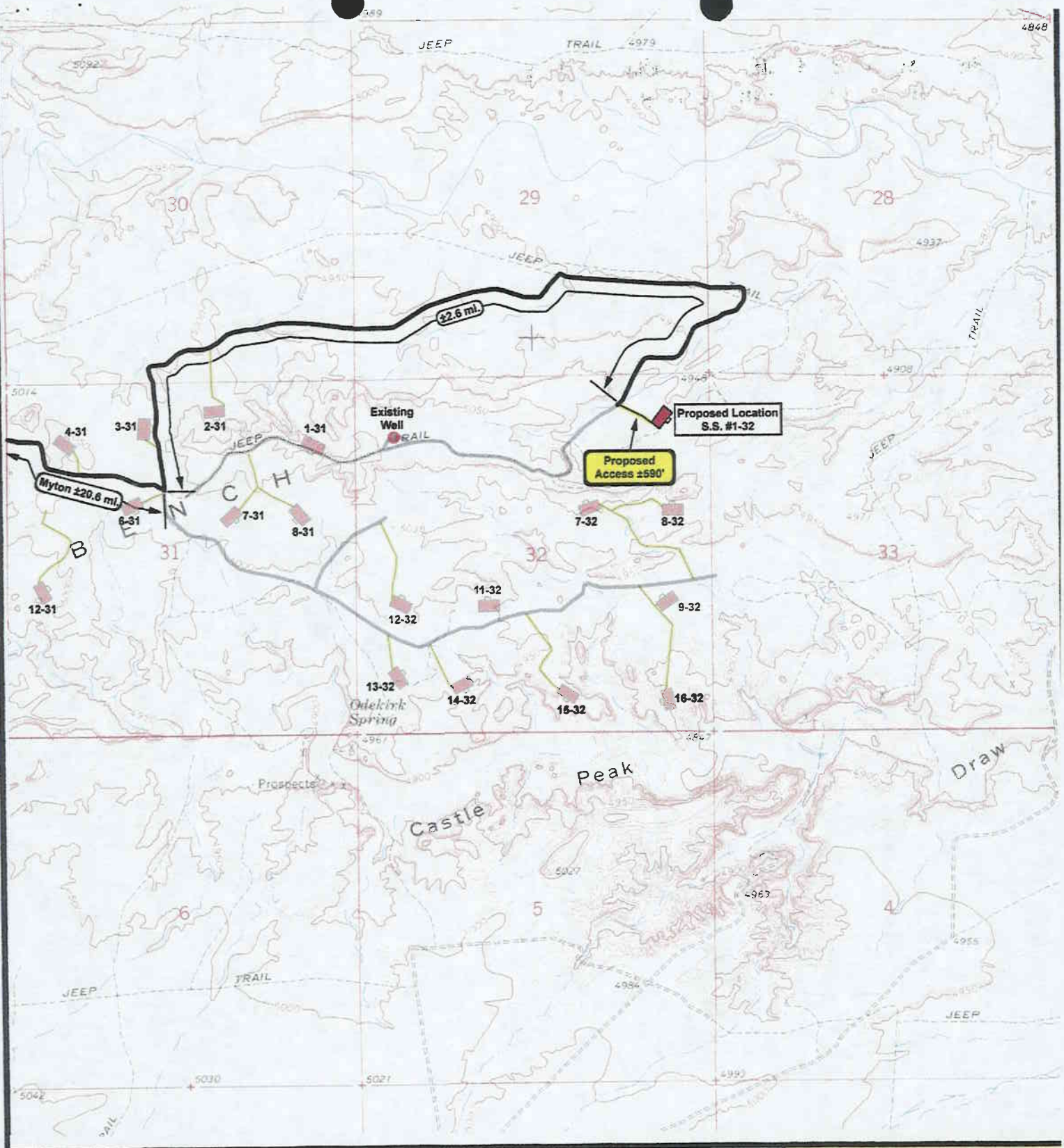
Tri-State Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'
DRAWN BY: D.J.
DATE: 12-20-2001

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP
"A"



Inland RESOURCES INC

Sundance State #1-32
SEC. 32, T8S, R18E, S.L.B.&M.

N

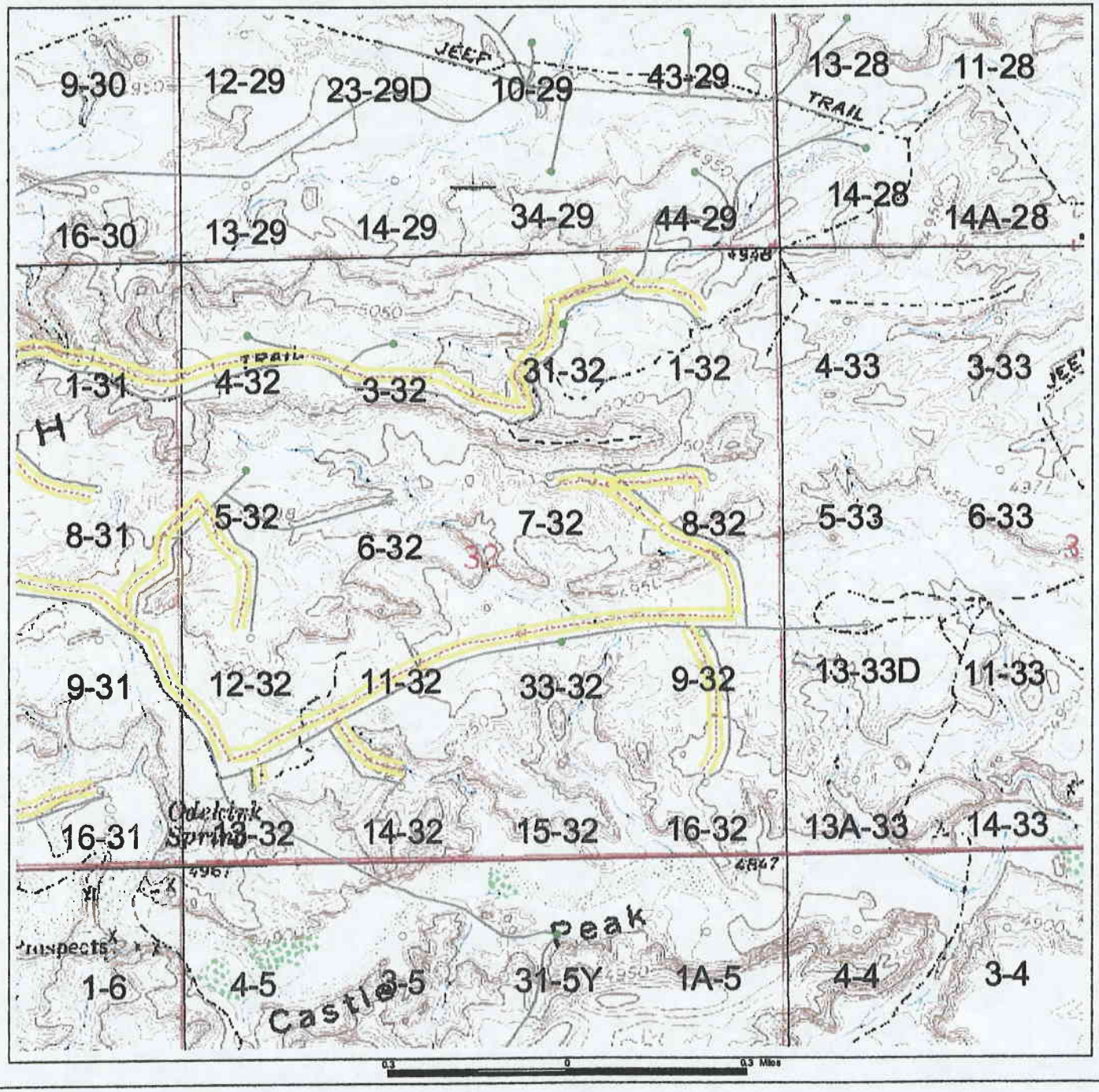
Tri-State Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 12-20-2001

Legend

- Existing Road
- Proposed Access
- Access to be Upgraded

TOPOGRAPHIC MAP "B"



Gas Line ROW

Pending Approval

ROW Approved

Compressor Stations

Gas Pipelines

- 10"
- 6" Source Line
- 6" Proposed
- 4" Source Line
- 4" Proposed
- Gas Buried
- Petroglyph Gas Line
- Questar Gas Line
- Compressors - Other
- Fuel Gas Meters

Roads (Digitized)

- Paved
- Dirt
- Proposed
- Two Track
- Private

N

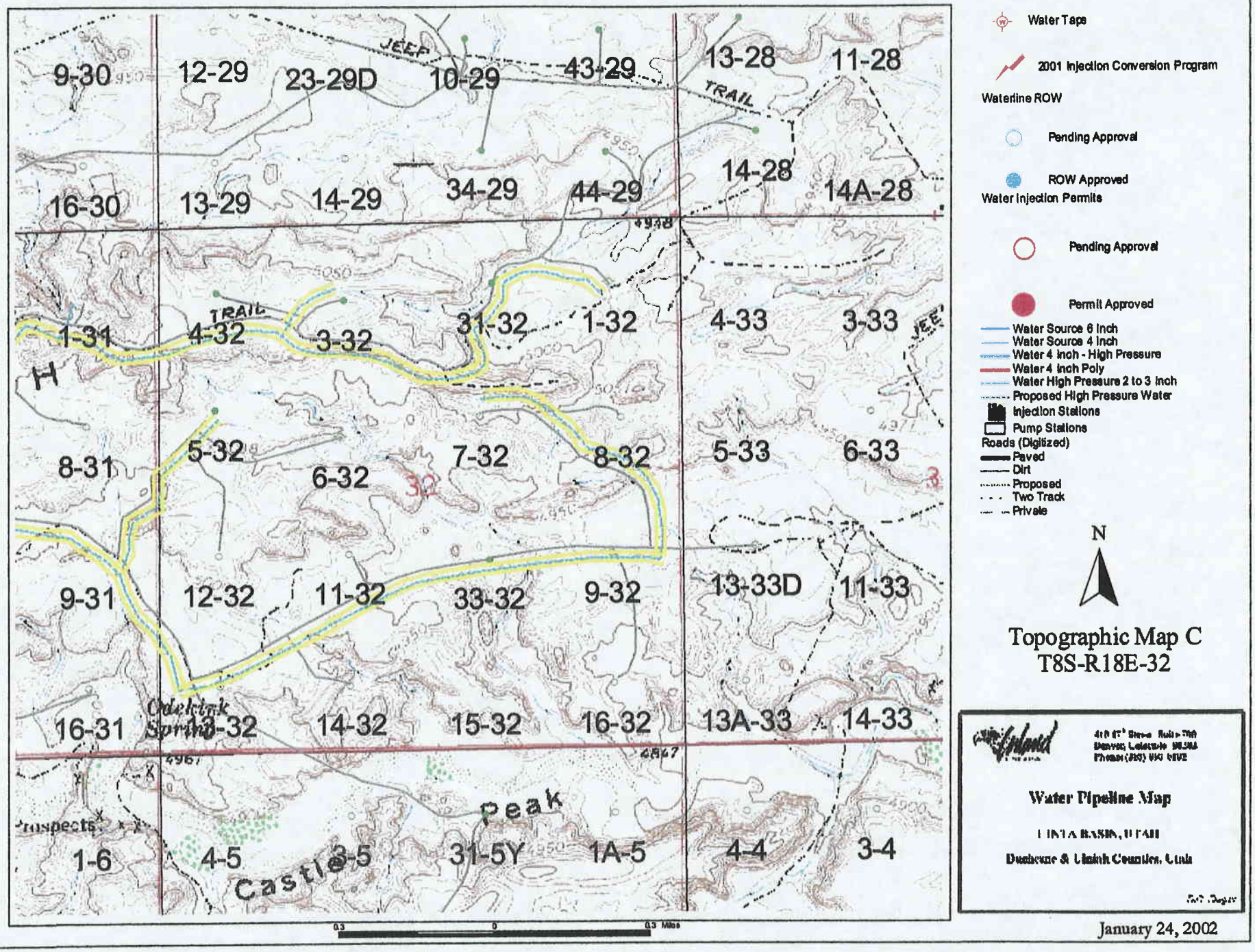
Topographic Map C
T8S-R18E-32

Gas Pipeline Map

UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

January 24, 2002



Topographic Map C
T8S-R18E-32

Water Pipeline Map

UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

January 24, 2002

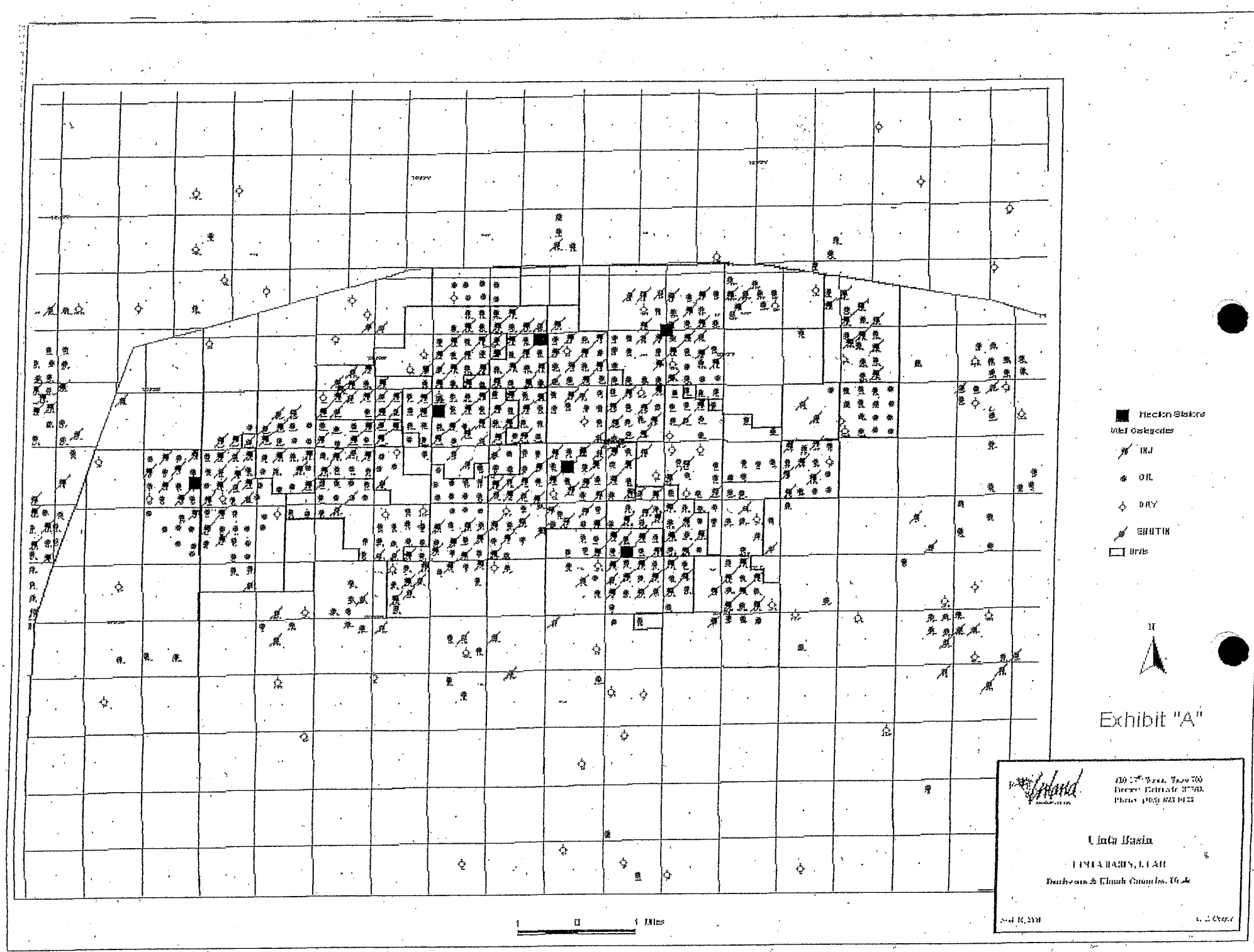
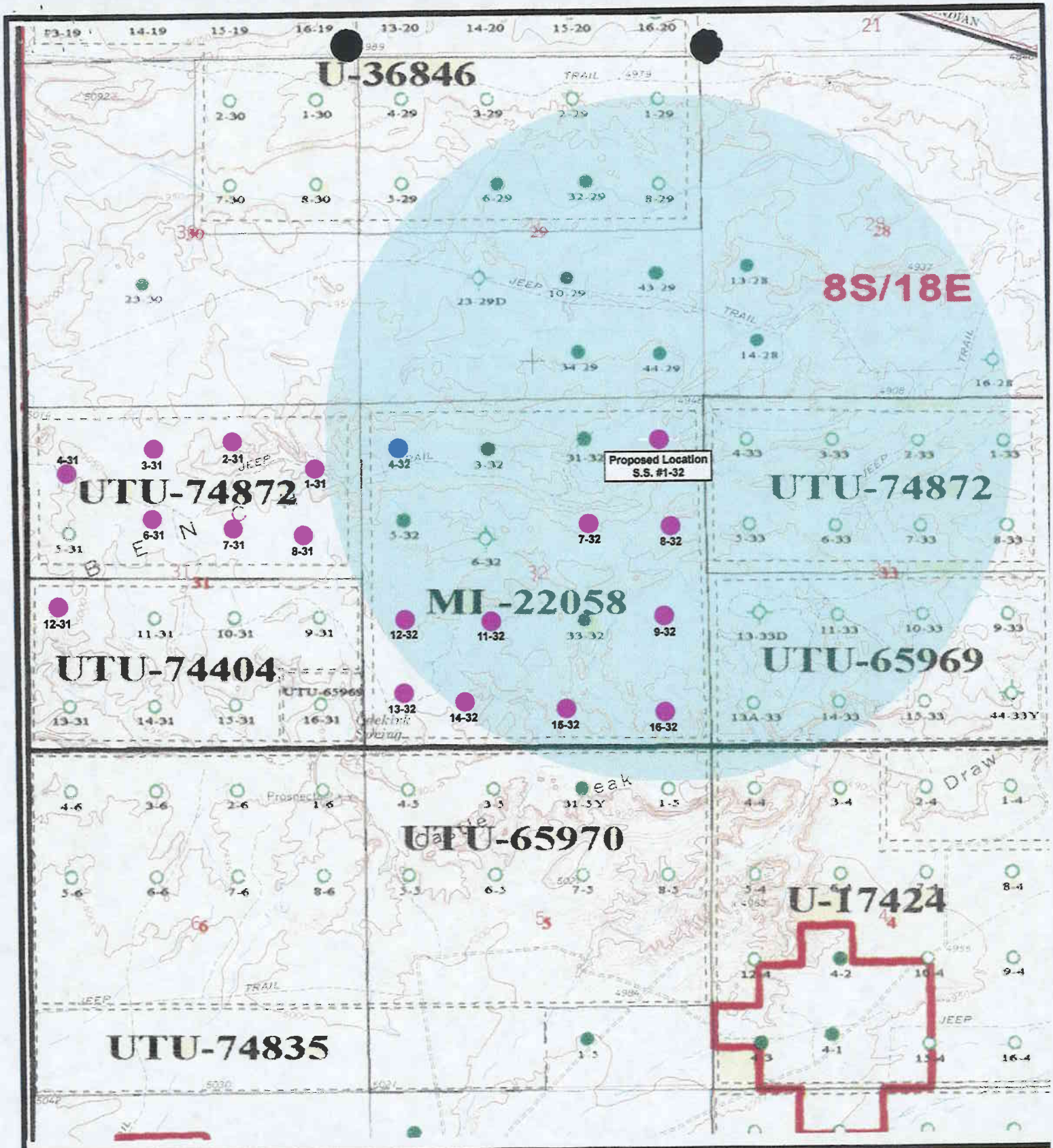


Exhibit "A"
Uinta Basin
UINTAH BASIN, UTAH
Duchesne & Uintah Counties, Utah
1 0 1 Miles



Inland RESOURCES INC.

Sundance State #1-32
SEC. 32, T8S, R18E, S.L.B.&M.

N

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

SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 12-20-2001

Legend

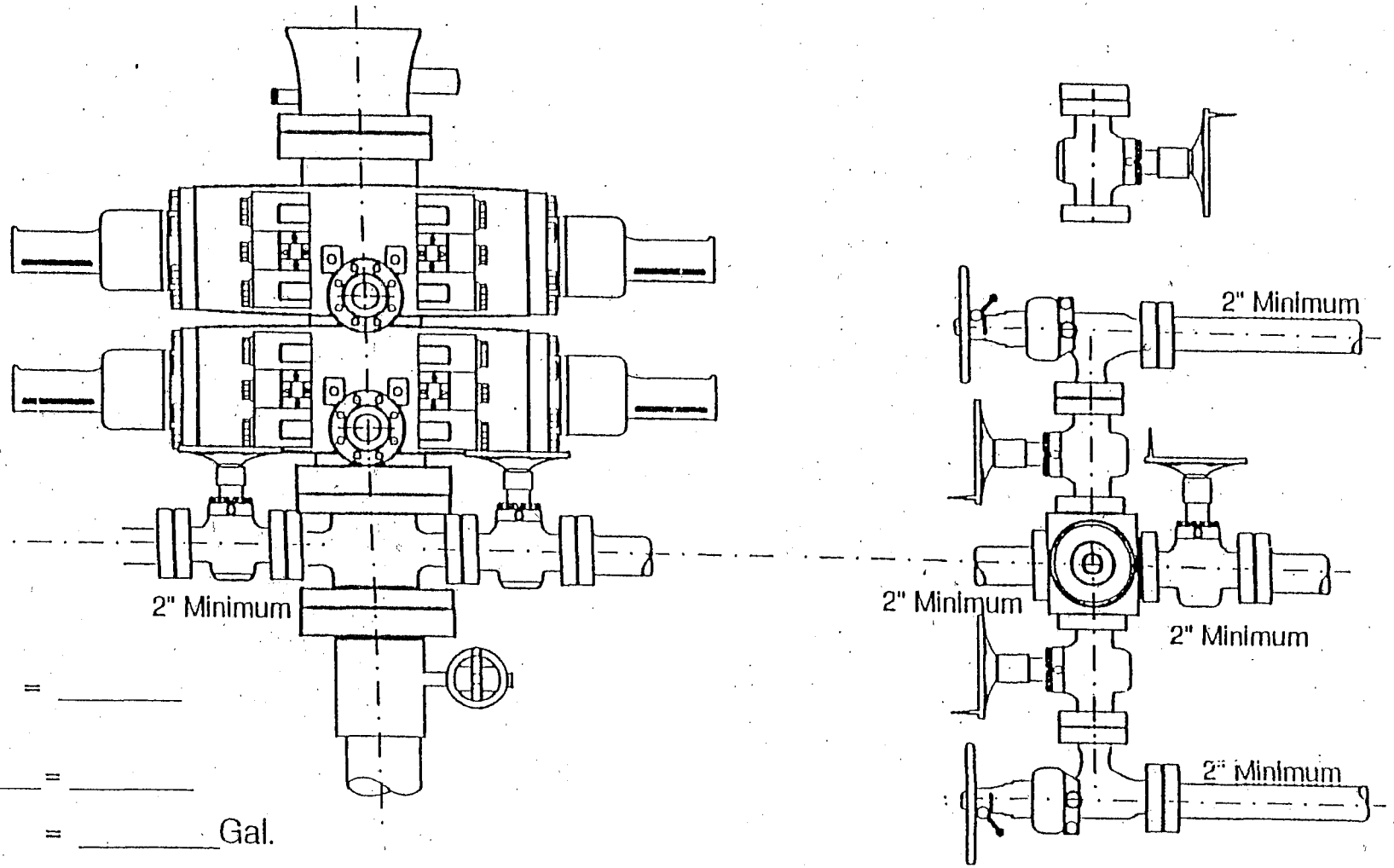
- Existing Wells
- Proposed Locations
- One Mile Radius

Exhibit "B"

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

2-M SYSTEM

EXHIBIT C



CAL 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)

Sundance State #1-32-8-18

Wellbore Diagram

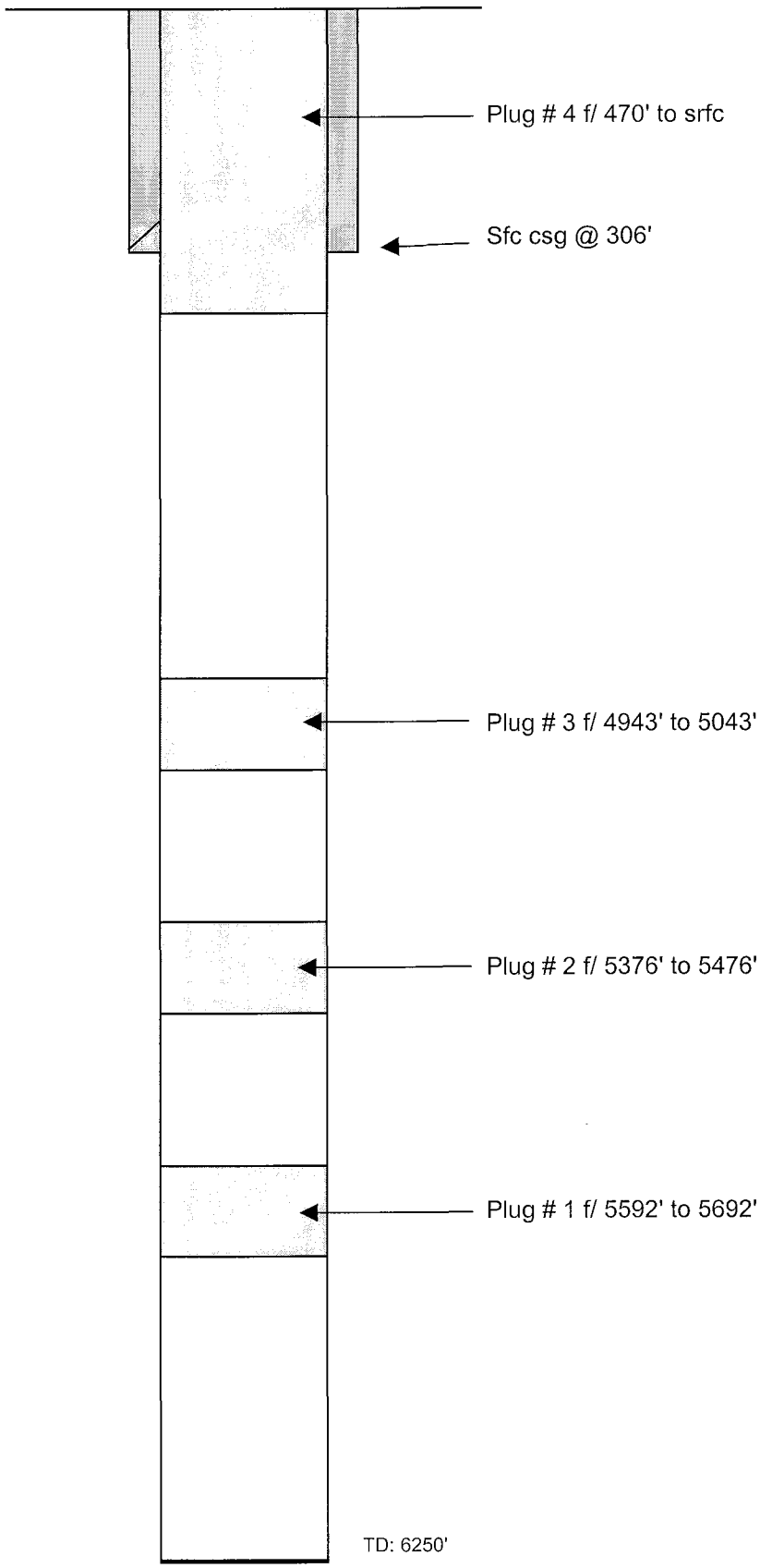
Spud Date: 3/14/96
Plugged: 3/25/96
GL: 4954' KB: 4966'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENTH: 307'
DEPTH LANDED: 306'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sx Premium cmt, est 8 bbls to sfc.

PRODUCTION CASING

No production casing set.



INLAND RESOURCES INC.
Sundance State 1-32-8-18
660 FNL 659 FEL
NE/NE Section 32-T8S-R18E
Uintah Co, Utah
API #43-047-32740
Lease #ML-22058

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES' ODEKIRK UNIT, TOWNSHIP 8S, RANGE 18E, SECTION 32, UINTAH COUNTY, UTAH

Keith R. Montgomery
and
Sarah Ball

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES' ODEKIRK UNIT, TOWNSHIP 8S, RANGE 18E, SECTION 32, UINTAH COUNTY, UTAH

by

Keith R. Montgomery
and
Sarah Ball

Prepared For:

State of Utah
School and Institutional Trust
Land Administration

Prepared Under Contract With:

Jon D. Holst & Associates
for
Inland Resources
2507 Flintridge Place
Fort Collins, CO 80521

Prepared By:

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

MOAC Report No. 01-177

November 14, 2001

United States Department of Interior (FLPMA)
Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-01-MQ-00739s

ABSTRACT

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of Inland Resources' Odekirk Unit in Township 8S, Range 18E, Section 32, Uintah County, Utah. Inland Resources proposes to develop oil/gas well locations, access roads, and pipelines in this 480-acre block. The project area occurs on land administered by the State of Utah, School and Institutional Trust Land Administration (SITLA).

The inventory of the project area resulted in the documentation of eleven new prehistoric sites (42Un2947 to 42Un2957) and the recordation of six isolated finds of artifacts (IF-A through IF-F). Nine of the eleven sites are lithic procurement localities (42Un2947, 42Un2948, 42Un2950, 42Un2951, 42Un2952, 42Un2953, 42Un2954, 42Un2955, and 42Un2956). These sites include lithic debitage and cores of local material, as well as bifaces, utilized flakes, scrapers, and hammerstones. One of the sites, 42Un2948 also includes a single-handed sandstone mano. Two lithic scatters were documented (42Un2949 and 42Un2957), consisting of lithic debitage and a few lithic tools. The isolated finds (IF-A through IF-F) include an aqua-colored glass whiskey bottle, lithic flakes, cores, a hammerstone, and a Stage III biface.

Three of the lithic procurement sites (42Un2948, 42Un2950 and 42Un2954) are recommended eligible to the NRHP under criterion D. These sites, although surficial, exhibit a variety of tools (cores, bifaces, hammerstones, and a mano) as well as the spatial pattering of artifacts. Additional investigations at these sites is likely to contribute to the prehistoric research domains of the area. Eight of the prehistoric sites (42Un2947, 42Un2949, 42Un2951, 42Un2952, 42Un2953, 42Un2955, 42Un2956, and 42Un2957) are evaluated as not eligible for inclusion to the NRHP. They are limited activity sites lacking temporal indicators, spatial patterning, and features; hence they fail to possess additional information relevant to the prehistoric research domains of the area.

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of three prehistoric sites (42Un2948, 42Un2950 and 42Un2954) that are considered eligible to the NRHP. It is recommended that these sites be avoided by the undertaking. Based on the adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

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FIGURE

1. Inventory Area of Inland Resources' Odekirk Unit in T 8S, R 18E, Sec. 32 showing Cultural Resources 3

INTRODUCTION

In November 2001, a cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of Inland Resources' Odekirk Unit, in Township 8S, Range 18E, Section 32. The project area occurs approximately 19 miles southeast of Myton, Uintah County, Utah. Inland Resources, Inc. proposes to develop oil/gas well locations, access roads, and pipelines in this 480-acre block. The inventory was implemented at the request of Mr. Jon Holst, permitting agent for Inland Resources. The project area occurs on land administered by the State of Utah, School and Institutional Trust Land Administration (SITLA).

The objective of the inventory was to locate, document and evaluate any cultural resources within the project area. This project is carried out in compliance with Federal and State legislation including the Antiquities Act of 1906, the National Historic Preservation Act (NHPA) of 1966 (as ammended), the National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was directed by Keith R. Montgomery (Principal Investigator) and assisted by Sarah Ball, Mark Beeson, Sharyl Kinnear-Ferris, Kathy Lamm, Greg Nunn, Anne Raney, and Roger Stash. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Project (Survey) No. U-01-MQ-0739s.

A file search for previous projects and documented cultural resources was conducted by Keith Montgomery at the BLM Vernal Field Office (November 2, 2001) and by Sarah Ball at the Division of State History (November 13, 2001). This consultation indicated that a number of archaeological projects have been conducted in the area surrounding the project area. In 1981, Utah Archaeological Research Corporation conducted an inventory for Natural Gas Corporation, documenting a lithic scatter (42Un1237) (Cook 1982). Metcalf Archaeological Consultants, Inc. completed a survey of a well location and access road for PG&E Resources in 1994, finding two prehistoric isolated finds of artifacts (Scott 1994). In 1995, Sagebrush Archaeological Consultants inventoried five PG&E well pads near the project area and documented one archaeological site (no site number given) (Weymouth and Simmons 1994). In the following year Sagebrush Archaeological Consultants inventoried a well location and access road for Lomax Exploration Company finding no cultural resources (Murray 1995). No previously recorded cultural resources are situated in the immediate project area.

DESCRIPTION OF PROJECT AREA

The project area lies on Pariette Bench along the north side of Castle Peak Draw in the Uinta Basin. A 480-acre parcel was surveyed for proposed oil and gas development by Inland Resources. The legal description is Township 8S, Range 18E, Section 32 (Figure 1).

Topographically, this area consists of highly dissected sandstone and mudstone rock formations and broad sandy silt ridges (Stokes 1986). Recent alluvial deposits, older alluvial terrace deposits, and rock outcrops of the Upper Eocene Uinta Formation constitute the surface geology of the area. The Uinta Formation is seen as eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossil vertebrates, including turtles, crocodilians, fish, and mammals. The elevation ranges from 4850 to 5100 feet a.s.l. Named water sources nearby include Pariette Draw, Castle Peak Draw, and Odekirk Spring. The project area lies within the Upper Sonoran life zone, dominated by a shadscale community intermixed with low sagebrush, mat saltbush, greasewood, rabbitbrush, snakeweed, prickly pear cactus, pincushion cactus, and grasses. A riparian zone exists along the washes, and includes cottonwood, Russian olive, and tamarisk. Modern disturbances to the landscape include well locations, access roads, pipelines, and livestock grazing.

Cultural Overview

The cultural-chronological sequence represented in the area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.). This stage is characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is implied by the discovery of Clovis and Folsom fluted points (ca.12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate points (ca. 10,000 B.P. - 7,000 B.P.). Near the project area, a variety of Paleoindian projectile points have been documented, including Goshen, Alberta, and Midland styles (Hauck 1998).

The Archaic stage (ca. 8,000 B.P.-1,500 B.P.) is characterized by the dependence on a foraging subsistence, with peoples seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types, and the development of the atlatl, perhaps in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of Early Archaic presence is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000-3000 B.C.) sites in the Basin

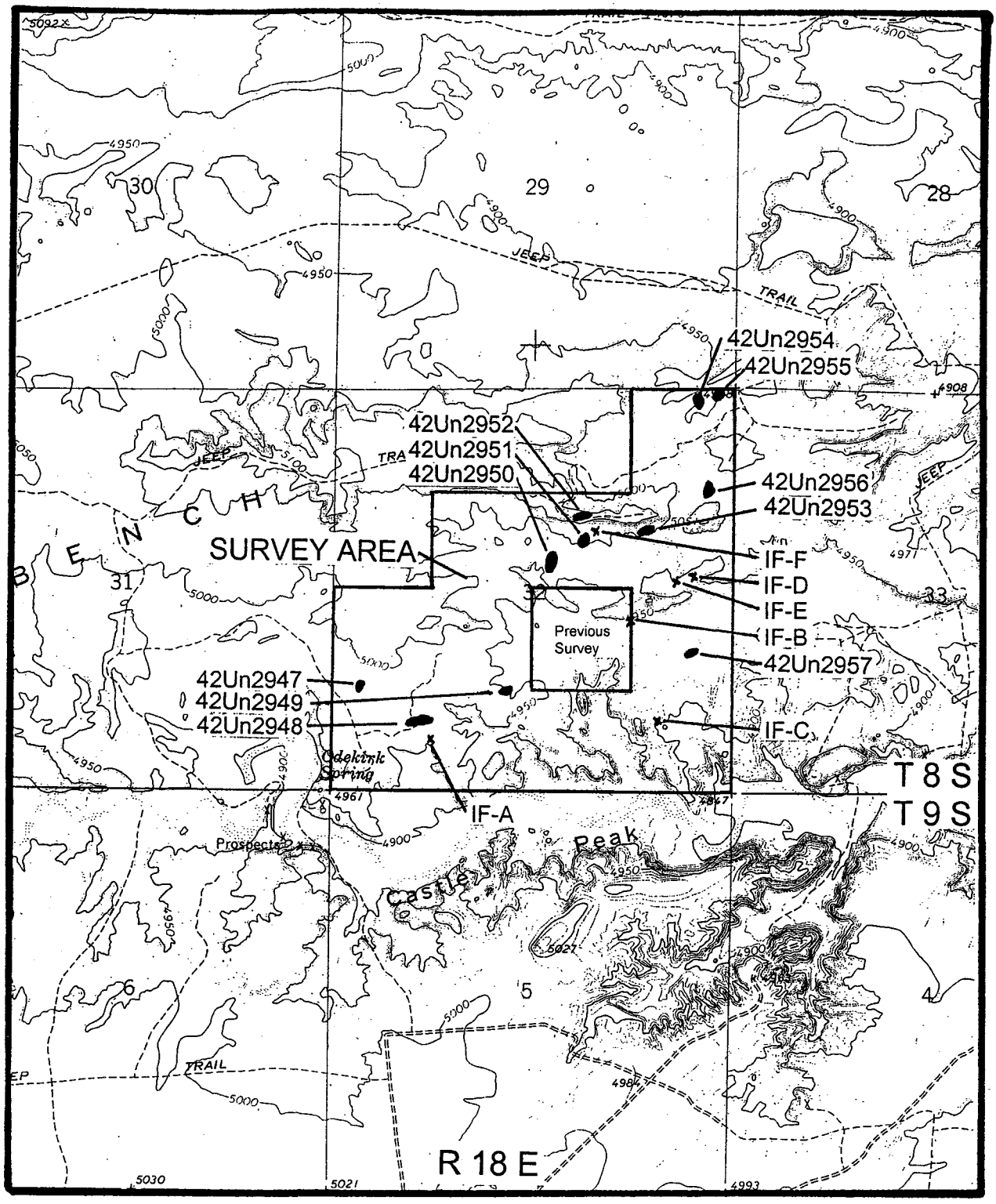

Figure 1. Inventory Area of Inland Resources Odekirk Unit in T 8S, R18E, Sec. 32 showing Cultural Resources. USGS 7.5' Pariette Draw SW, UT 1964. Scale 1:24000.

include sand dune sites and rockshelters primarily clustered in the lower White River drainage (Spangler 1995:373). Early Archaic projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Side-notched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National Monument, and open campsites along the Green River and on the Diamond Mountain Plateau (Spangler 1995:374). The Middle Archaic (ca. 3000-500 B.C.) is characterized by improved climatic conditions and an increase in human population on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile points. Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late Archaic period (ca. 500 B.C.-A.D. 550) in the Uinta Basin is distinguished by the continuation of Elko Series projectile points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cockleburr Wash Site (42Un1476) where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. (Tucker 1986). The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek.

The Formative stage (A.D. 500-1300) is recognized in the area as the Uinta Fremont as first defined by Marwitt (1970). This stage is characterized by a reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Utah type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn, Reed, and Chandler 1994:130). The Ute appear to have been hunters and gatherers who exploited various fauna and flora resources. According to macrobotanical and faunal data from dated

components, deer, elk, pronghorn, bison, and small game were acquired (Reed 1994:191). Plant materials thought to have been exploited for food include goosefoot, grass seeds, pinyon nuts, juniper berries, squawbush berries and leaves, hackberry seeds and possibly saltbush seeds, knotweed, chokecherry, and chickweed (Reed 1994:191).

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. The parcel was examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. Acreage for the project area totals 480 acres, all of which occurs on land administered by the State of Utah, School and Institutional Trust Land Administration (SITLA).

Cultural resources were recorded as archaeological sites or isolated finds of artifacts. Archaeological sites are defined as spatially definable areas with ten or more artifacts and/or features. Sites were documented by the archaeologists walking transects across the site, spaced no more than 3 m (10 ft) apart and marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a Brunton compass was employed to point-provenience diagnostic artifacts and other relevant features in reference to the site datum, a steel rebar stamped with a temporary site number. Archaeological sites were plotted on a 7.5' USGS quadrangle, photographed, and documented with site data entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form (Appendix A). Isolated finds were defined as individual artifacts or light scatters of items lacking sufficient material culture to warrant IMACS forms or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

INVENTORY RESULTS

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of 11 prehistoric sites (42Un2947 to 42Un2957) and six isolated finds of artifacts (IF-A through IF-F).

Archaeological Sites

Smithsonian Site No.: 42Un2947
Temporary Site No.: MOAC 177-1
Legal Description: SW/NW/SW of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This is a small lithic procurement locality of unknown cultural affiliation, located on a rocky slope above a wash in a small canyon. The site is surficial and measures 54 m by 26 m. Artifacts consist of lithic debitage and five lithic tools. The

source material is derived from the Uinta Formation and includes gray and white mottled semitranslucent chert, and tan, white, gray, and orange mottled opaque chert. Lithic debitage (n=7) is limited to primary and secondary decortication flakes. Tools consist of three test cores, an unprepared core, a utilized flake, and a hammerstone. No cultural features are visible.

Smithsonian Site No.: 42Un2948
Temporary Site No.: MOAC 177-2
Legal Description: NE/SW/SW of Sec. 32, T 8S, R 18E
NRHP Eligibility: Eligible
Description: This is a lithic procurement locality of unknown cultural affiliation, situated on a low-angled slope near a wash in a small canyon. The site extends 100 m east-west by 26 m north-south. Two concentrations of cultural materials occur along the east edge of the site. Artifacts consist of lithic debitage of various chert, quartzite, and siltstone materials (n=46), and 17 lithic tools. The source material is derived from the Uinta Formation. Debitage is dominated by primary decortication flakes; secondary decortication flakes are common. A small quantity of percussion biface thinning flakes and flake fragments are also present. Tools consist of eight unprepared cores, five test cores, two Stage II bifaces, a Stage I biface, and a single-handed mano. No cultural features are observed.

Smithsonian Site No.: 42Un2949
Temporary Site No.: MOAC 177-3
Legal Description: SE/NE/SW of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This is a small lithic scatter of unknown cultural affiliation, located on rocky, residual sediments on a low-angled slope of a ridge. The site measures 36 m by 40 m and contains debitage (n=19) and a single unprepared core. Debitage is dominated by tan opaque chert decortication flakes, and includes white and yellow quartzite decortication flakes, and flake fragments of all three materials. No cultural features are observed.

Smithsonian Site No.: 42Un2950
Temporary Site No.: MOAC 177-4
Legal Description: SW/SW/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Eligible
Description: This is a lithic procurement locality of unknown cultural affiliation, situated on a low-angled slope above a wash near the edge of a canyon. The source material is derived from the Uinta Formation. Artifacts consist of lithic debitage (n=42) and chipped stone tools (n=28). Debitage includes equal numbers of secondary decortication flakes and percussion biface thinning flakes. Primary decortication flakes are common, and a few flake fragments are also present. Tools consist of 27 cores and a Stage II biface. No cultural features are visible.

Smithsonian Site No.: 42Un2951
Temporary Site No.: MOAC 177-5
Legal Description: NW/SW/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This is a small, dispersed lithic procurement locality of unknown cultural affiliation, situated at the edge of a bench mid-way up a ridge. The source material is derived from the Uinta Formation. Artifacts consist of two tan and gray mottled opaque chert primary decortication flakes, and eight cores. The cores are of tan and gray mottled opaque chert, and tan opaque chert, and include four unprepared cores and four test cores. No cultural features are visible.

Smithsonian Site No.: 42Un2952
Temporary Site No.: MOAC 177-6
Legal Description: NW/SW/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This is a small, dispersed lithic procurement locality of unknown cultural affiliation located on a narrow, rocky ridge top. Cultural materials are limited to six primary decortication flakes, two test cores, and three unprepared cores. The source material is derived from the Uinta Formation and includes tan, white, gray, and orange mottled opaque chert. No cultural features are observed.

Smithsonian Site No.: 42Un2953
Temporary Site No.: MOAC 177-7
Legal Description: NW/SE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This site is a small, low-density lithic procurement locality of unknown cultural affiliation located on a bench mid-way up a ridge. Artifacts include lithic debitage, along with an unprepared core, a test core, and a Stage II biface. Debitage includes primary decortication flakes (n=11), and secondary decortication flakes (n=3), all of tan, gray, white, and orange mottled opaque chert. The source material is derived from the Uinta Formation. No cultural features are visible.

Smithsonian Site No.: 42Un2954
Temporary Site No.: MOAC 177-9
Legal Description: NE/NE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Eligible
Description: This is a lithic procurement locality of unknown cultural affiliation located on a series of low hills divided by small drainages. The site extends 74 m north-south by 34 m east-west. Artifacts consist of debitage (n=25), five unprepared cores, four test cores, and two scrapers. Debitage is primarily dominated by decortication flakes; secondary decortication flakes are also present. Material is primarily tan, white, gray, and orange mottled opaque chert, along with a small quantity of tan chert, white quartzite, and white and yellow quartzite. The source material is derived from the Uinta Formation. No cultural features are visible.

Smithsonian Site No.: 42Un2955
Temporary Site No.: MOAC 177-10
Legal Description: NE/NE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This is a small lithic procurement locality of unknown cultural affiliation situated on a low-angled, rocky slope below a ridge. Cultural materials consist of lithic debitage (n=14) and four lithic tools. Debitage is dominated by secondary decortication flakes, with primary decortication flakes also present. Lithic tools include three unprepared cores, and one test core. Materials include tan, gray, white, and orange mottled opaque chert, gray opaque chert, and tan opaque chert. The source material is derived from the Uinta formation. No cultural features are visible.

Smithsonian Site No.: 42Un2956
Temporary Site No.: MOAC 177-11
Legal Description: NE/SE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible
Description: This is a small lithic procurement locality of unknown cultural affiliation situated on a rocky slope below a ridge. The site measures 59 m north-south by 37 m east-west. Cultural materials consist of lithic debitage (n=18), and three lithic tools. Debitage is dominated by decortication flakes of tan, white, gray, and orange mottled opaque chert, with a lesser quantity of decortication flakes of other chert and quartzite materials. Lithic tools include two unprepared cores and a test core, all of tan, white, gray, and orange mottled opaque chert. The source material is derived from the Uinta Formation. No cultural features are observed.

Smithsonian Site No.: 42Un2957
Temporary Site No.: MOAC 177-8
Legal Description: SE/NE/SE of Sec. 32, T 8S, R 18E
Jurisdiction: State of Utah, SITLA
NRHP Eligibility: Not Eligible
Description: This is a lithic scatter of unknown cultural affiliation located on a low-angled rocky slope. Artifacts consist of lithic debitage and one lithic tool, found mainly in a concentration (Concentration 1). The concentration contains yellow quartzite primary decortication flakes (n=11), and secondary decortication flakes of the same material (n=8). Outside of the concentration is a dark red quartzite unprepared core associated with three primary decortication flakes of the same material. No cultural features are visible.

Isolated Finds of Artifacts

Isolated Find A (IF-A) is located in the NE/SW/SW of Sec. 32, T 8S, R 18E; UTM 591983E/4435758N. It is an aqua-colored glass whiskey bottle.

Isolated Find B (IF-B) is located in the NE/NW/SE of Sec. 32, T 8S, R 18E; UTM 592750E/4436254N. It is a white semitranslucent chert Stage III biface that exhibits slight edge-wear, and a retouched tip (5.3x2.7x1cm).

Isolated Find C (IF-C) is located in the NW/SE/SE of Sec. 32, T 8S, R 18E; UTM 592885E/4435839N. It consists of a tan opaque chert test core with one flake detached from a narrow margin (7.6x6.8x2.2cm), a white opaque chert secondary decortication flake, and a tan, white, gray, and orange mottled opaque chert primary decortication flake.

Isolated Find D (IF-D) is located in the SE/SE/NE of Sec. 32, T 8S, R 18E; UTM 593002E/4436433N. It includes a white semitranslucent chert hammerstone with battering on two poles and along one margin (6.5x5x5cm), and a tan opaque chert secondary decortication flake.

Isolated Find E (IF-E) is located in the SW/SE/NE of Sec. 32, T 8S, R 18E; UTM 592920E/4436408N. It includes a tan, white, gray, and orange mottled opaque chert core with 9+ flakes removed from narrow margins (6.5x4.3x2cm), three tan, white, gray, and orange mottled opaque chert primary decortication flakes, a pink quartzite secondary decortication flake, and a white semitranslucent chert primary decortication flake.

Isolated Find F (IF-F) is located in the NE/SW/NE of Sec. 32, T 8S, R 18E; UTM 592614E/4436603N. It consists of a tan opaque chert unprepared core with 7 flakes removed from narrow margins (6.2x4x2.8cm), a tan opaque chert cobble test core with 5 flakes detached from wide margins (10x6x3.4cm), two tan opaque chert secondary decortication flakes, and a tan opaque chert primary decortication flake.

NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

> The quality of significance in American history, architecture, archaeology-logy, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:
>
> a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
>
> b)...are associated with the lives of persons significant to our past; or
>
> c)...embody the distinctive characteristics of a type, period, or method of construction; or that represents the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
>
> d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of 11 prehistoric sites (42Un2947 to 42Un2957), all of unknown temporal affiliation. The majority of these sites (n=9) are lithic procurement localities at which raw materials from the Uinta Formation were exploited. Two of the sites are classified as lithic scatters containing a low number of debitage and chipped stone tools. Three of the lithic procurement sites (42Un2948, 42Un2950 and 42Un2954) are recommended eligible to the NRHP under criterion D. These sites, although surficial, exhibit a variety of tools (cores, bifaces, hammerstones, and a mano) as well as spatial pattering of artifacts. Additional investigations at these sites is likely to contribute to the prehistoric research domains of the area.

Eight of the prehistoric sites (42Un2947, 42Un2949, 42Un2951, 42Un2952, 42Un2953, 42Un2955, 42Un2956, and 42Un2957) are evaluated as not eligible for inclusion to the NRHP. They are limited activity sites lacking temporal indicators, spatial patterning and features, and hence fail to possess additional information relevant to the prehistoric research domains of the area.

MANAGEMENT RECOMMENDATIONS

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of three prehistoric sites (42Un2948, 42Un2950 and 42Un2954) that are considered eligible to the NRHP. It is recommended that these sites be avoided by the undertaking. Based on the adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

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Well name:	**02-02 Inland Sundance 1-32-8-18**
Operator:	**Inland Production Company**
String type:	Surface
Project ID:	43-047-32740
Location:	Uintah County

Design parameters:

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

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 134 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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: 267 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 6,250 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,727 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 306 ft
Injection pressure 306 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^3)
1	306	8.625	24.00	J-55	ST&C	306	306	7.972	14.7

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	134	1370	10.26	134	2950	22.09	6	244	38.02 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources
Phone: 801-538-5281
FAX: 801-359-3940
Date: March 26,2002
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 306 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

Well name:	**02-02 Inland Sundance 1-32-8-18**
Operator:	**Inland Production Company**
String type:	Production
Project ID:	43-047-32740
Location:	Uintah County

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 2,727 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

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 air weight.
Neutral point: 5,456 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	152 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	300 ft
Cement top:	Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6250	5.5	15.50	J-55	LT&C	6250	6250	4.825	195.9

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	2727	4040	1.48	2727	4810	1.76	97	217	2.24 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources
Phone: 801-538-5281
FAX: 801-359-3940
Date: March 26,2002
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 6250 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

017

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

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PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
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801-538-7223 (TDD)

March 26, 2002

Inland Production Company
Route 3 Box 3630
Myton UT 84052

Re: Sundance 1-32-8-18 Well, 660' FNL, 659' FEL, NE NE, Sec. 32, T. 8 South, R. 18 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32740.

Sincerely,

John R. Baza
Associate Director

er
Enclosures
cc: Uintah County Assessor
SITLA

Operator: Inland Production Company

Well Name & Number Sundance 1-32-8-18

API Number: 43-047-32740

Lease: ML 22058

Location: NE NE **Sec.** 32 **T.** 8 South **R.** 18 East

Conditions of Approval

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

2. **Notification Requirements**
   The operator is required to notify the Division of Oil, Gas and Mining 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

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

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

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

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

018

FORM 9

STATE OF UTAH

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.

5. LEASE DESIGNATION AND SERIAL NO.: ML-22058

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

OIL WELL [ ] GAS WELL [ ] OTHER [X]

7. UNIT AGREEMENT NAME: NA

2. NAME OF OPERATOR: INLAND PRODUCTION COMPANY

8. WELL NAME and NUMBER: SUNDANCE 1-32-8-18

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

9. API NUMBER: 43-047-32740

4. LOCATION OF WELL

Footages: 660 FNL 659 FEL

10. FIELD AND POOL, OR WILDCAT: 8 MILE FLAT NORTH

QQ, SEC, T, R, M: NE/NE Section 32, T8S R18E

COUNTY UINTAH

STATE UTAH

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

NOTICE OF INTENT: (Submit in Duplicate)		SUBSEQUENT REPORT OF: (Submit Original Form Only)	
[ ] ABANDON	[ ] NEW CONSTRUCTION	[ ] ABANDON*	[ ] NEW CONSTRUCTION
[ ] REPAIR CASING	[ ] PULL OR ALTER CASING	[ ] REPAIR CASING	[ ] PULL OR ALTER CASING
[ ] CHANGE OF PLANS	[ ] RECOMPLETE	[ ] CHANGE OF PLANS	[ ] RECOMPLETE
[ ] CONVERT TO INJECTION	[ ] REPERFORATE	[ ] CONVERT TO INJECTION	[ ] REPERFORATE
[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE	[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE
[ ] MULTIPLE COMPLETION	[ ] WATER SHUT OFF	[X] OTHER Permit Extension	
[X] OTHER Notice of Intent		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.

Inland Production Company requests to extend the Permit to Drill this well for one year.

13. NAME & SIGNATURE: Mandie Crozier TITLE Permit Clerk DATE 3/5/2003

(This space for State use only)

4/94

* See Instructions On Reverse Side

COPY SENT TO OPERATOR
Date: 04-03-03
Initials: CHD

Approved by the Utah Division of Oil, Gas and Mining
Date: 04-03-03
By:

RECEIVED
APR 03 2003
DIV. OF OIL, GAS & MINING

024

RECEIVED

OCT 0 1 2003

DIV. OF OIL, GAS & MINING

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**	5. LEASE DESIGNATION AND SERIAL NO. **ML-22058**
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.	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME **N/A**
OIL WELL [ ] GAS WELL [ ] OTHER [X]	7. UNIT AGREEMENT NAME **N/A**
2. NAME OF OPERATOR **INLAND PRODUCTION COMPANY**	8. WELL NAME and NUMBER **SUNDANCE 1-32-8-18**
3. ADDRESS AND TELEPHONE NUMBER **Rt. 3 Box 3630, Myton Utah 84052 435-646-3721**	9 API NUMBER **43-047-32740**
4. LOCATION OF WELL Footages **660 FNL 659 FEL** QQ, SEC, T, R, M: **NE/NE Section 32, T8S R18E**	10 FIELD AND POOL, OR WILDCAT **8 MILE FLAT NORTH** COUNTY **UINTAH** STATE **UTAH**

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

NOTICE OF INTENT: (Submit in Duplicate)		SUBSEQUENT REPORT OF: (Submit Original Form Only)	
[ ] ABANDON	[ ] NEW CONSTRUCTION	[ ] ABANDON*	[ ] NEW CONSTRUCTION
[ ] REPAIR CASING	[ ] PULL OR ALTER CASING	[ ] REPAIR CASING	[ ] PULL OR ALTER CASING
[ ] CHANGE OF PLANS	[ ] RECOMPLETE	[ ] CHANGE OF PLANS	[ ] RECOMPLETE
[ ] CONVERT TO INJECTION	[ ] REPERFORATE	[ ] CONVERT TO INJECTION	[ ] REPERFORATE
[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE	[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE
[ ] MULTIPLE COMPLETION	[ ] WATER SHUT OFF	[ ] OTHER	
[X] OTHER **Change of Name**		DATE WORK COMPLETED	
		Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.	
		*Must be accompanies 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.

Effective September 30, 2003 Inland Production Company is changing the name of the Sundance 1-32-8-18 to the **Sundance State 1-32R-8-18.**

13.
NAME & SIGNATURE: Mandie Crozier TITLE Regulatory Specialist DATE 9/30/2003

(This space for State use only)

4/94 * See Instructions On Reverse Side

019

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **INLAND PRODUCTION COMPANY**

Well Name: **SUNDANCE ST 1-32R-8-18**

Api No: **43-047-32740** Lease Type: **STATE**

Section **32** Township **08S** Range **18E** County **UINTAH**

Drilling Contractor **LEON ROSS** RIG # **15**

SPUDDED:

Date **12/16/03**

Time **8:00 AM**

How **DRY**

Drilling will commence: _____

Reported by **PAT WISENER**

Telephone # **1-435-823-7468**

Date **12/16/2003** Signed **CHD**

023

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 QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	~~99999~~ 11886	~~13985~~ 11886 GRRV	43-047-32740	Sundance 1-32-8-18	NE/NE	32	8S	18E	Uintah	December 16, 2003	12/18/03

WELL 1 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	13986	43-047-34930	Federal 10-31-8-18	NW/SE	31	8S	18E	Uintah	December 17, 2003	12/18/03

WELL 2 COMMENTS: OW GRRV

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

WELL 3 COMMENTS:

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

WELL 4 COMMENTS:

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

WELL 5 COMMENTS:

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

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

(3/89)

Kebbie S. Jones
Signature
Production Clerk
Title
December 17, 2003
Date

PAGE 02
INLAND
4356453031
12:53
12/17/2003

OGM Form 5
May 5, 1987

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

020

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.	ML-22058
6. IF INDIAN, ALLOTTEE OR TRIBAL NAME	N/A
7. UNIT AGREEMENT NAME	N/A
8. FARM OR LEASE NAME	SUNDANCE STATE 1-32R-8-18
9. WELL NO.	SUNDANCE STATE 1-32R-8-18
10. FIELD AND POOL, OR WILDCAT	8 MILE FLAT NORTH
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	NE/NE Section 32, T8S R18E

OIL WELL [X] GAS WELL [ ] OTHER [ ]

2. NAME OF OPERATOR: INLAND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Rt. 3 Box 3630, Myton Utah 84052
435-646-3721

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
NE/NE Section 32, T8S R18E
660 FNL 659 FEL

14 API NUMBER	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-047-32740	4955 GR	UINTAH	UT

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF [ ]	PULL OR ALTER CASING [ ]	WATER SHUT-OFF [ ]	REPAIRING WELL [ ]
FRACTURE TREAT [ ]	MULTIPLE COMPLETE [ ]	FRACTURE TREATMENT [ ]	ALTERING CASING [ ]
SHOOT OR ACIDIZE [ ]	ABANDON* [ ]	SHOOTING OR ACIDIZING [ ]	ABANDONMENT* [ ]
REPAIR WELL [ ]	[ ]	(OTHER) [X] Weekly Status	
(OTHER)	[ ]		

(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.)*

Note: This well is a rentery. On 12-15-03 MIRU Ross # 15. Drill out cement to a depth of 309'. Rig down Ross spud rig. On 1-1-04 MIRU Eagle #1. Set equipment. Pressure test B0P'S, Kelly, & TIW to 2,000 psi.Test 8 5/8 csgn to1.500 psi. Utah State office was notified of test. PU BHA and tag cement @ 308'. Drill out cement & shoe. Continue to drill 7 7/8 hole with fresh water to a depth of 420'. TIH tag second cement plug @ 4940' thru 5065'. TIH tag third cement plug 5376' thru 5495'. TIH tag 4th cement plug @ 5575' thru 5710'. TIH tag btm @ 6300. Circulate well bore clean. Lay down drill string, BHA. PU & MU Guide shoe, 1 jt 5 1/2 J-55 15.5# csgn. Float coller, & 144 jts 5 1/2 J 55 15.5# csgn set @ 6224'/KB. Cement with 300 sks Prem Lite 11 w/ 3 % KCL, 10% Gel, 3#s sk CSE, 2#s sk Kolseal, 8% Sms, 1/4# sks Celloflake mixed @ 11.0 ppg, 3.42 yld. Followed by 400 sks 50/50 Poz w/ 3% KCL, 2%gel, .05% Static free, 1/4# sk Celloflake. Mixed @ 14.4ppg, 1.24 yld. Drop plug displace with 146 bbls fresh water, good returns thruout job, 45 bbls of 50 bbld dye water to surface. Nipple down BOPS

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

SIGNED [signature] TITLE Drilling Foreman DATE 1-4-04

cc: BLM

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JAN 0 9 2004
DIV. OF OIL, GAS & MINING

* See Instructions On Reverse Side

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6224.99

Flt cllr 6198'

LAST CASING 8 5/8" SET AT 316.21

OPERATOR Inland Production Company

DATUM 12' KB

WELL Sundance 1-32R-8-18

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Eagle # 1

TD DRILLER 6300 LOGGER

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		38'@ 4165'					
144	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6186.74
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	25
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6226.99	145
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	42.89	1
TOTAL	6254.63	146
TOTAL CSG. DEL. (W/O THRDS)	6254.63	146
TIMING .	1ST STAGE	2nd STAGE
BEGIN RUN CSG.	11:00am	
CSG. IN HOLE	2:30pm	
BEGIN CIRC	2:45pm	3:46pm
BEGIN PUMP CMT	4:00pm	4:24pm
BEGIN DSPL. CMT	4:47pm	
PLUG DOWN		5:12pm

TOTAL LENGTH OF STRING	6226.99
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	6224.99

} COMPARE

GOOD CIRC THRU JOB Yes

Bbls CMT CIRC TO SURFACE 40 of 50 bbls dye water

RECIPROCATED PIPE I N/A THRUSTROKE

DID BACK PRES. VALVE HOLD ? Yes

BUMPED PLUG TO 1920 PSI

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/2# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.	

COMPANY REPRESENTATIVE Pat Wisener

DATE 1/4/2004

RECEIVED

JAN 0 9 2004

DIV. OF OIL, GAS & MINING

021

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML22058 SUNDANCE

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: SUNDANCE AREA

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: SUNDANCE ST 1-32R-8-18

2. NAME OF OPERATOR: Inland Production Company

9. API NUMBER: 4304732740

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

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: Monument Butte

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 660 FNL 659 FEL

COUNTY: Uintah

OTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NE, 32, T8S, R18E

STATE: Utah

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

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

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

Status report for time period 1/14/04 – 1/26/04 Subject well had completion procedures initiated in the Green River formation on 1/14/04 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5986-5991'), (5963-5968') (All 4 JSPF); #2 (5566-5575'), (5552-5561'), (5532-5543'), (5513-5516') (All 2 JSPF); #3 (5344-5354') (4 JSPF); #4 (4522-4527') (4 JSPF), (4452-4474') (2 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 1/19/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6198'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 6061.47'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 1/26/04.

NAME (PLEASE Martha Hall) TITLE Office Manager

SIGNATURE Martha Hall DATE January 28, 2004

(This space for State use only)

RECEIVED

JAN 2 9 2004

DIV. OF OIL, GAS & MINING

Inland
RESOURCES INC.

February 26, 2004

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

Attn: Ms. Carol Daniels

Sundance State 1-32R-8-18 (43-047-32740)
Uintah County, Utah

Dear Ms. Carol Daniels

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

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris
Engineering Tech

Enclosures

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

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

RECEIVED
MAR 0 1 2004
DIV. OF OIL, GAS & MINING

Form 3160-4 (July 1992)

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*

5. LEASE DESIGNATION AND SERIAL NO.: ML-22058

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: Sundance State 1-32R-8-18

9. WELL NO.: 43-047-32740

10. FIELD AND POOL OR WILDCAT: Sundance Area

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 32, T8S, R18E

1a. TYPE OF WORK: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

1b. TYPE OF WELL: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

2. NAME OF OPERATOR: INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.: 1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 660' FNL & 659' FEL (NENE) Sec. 32, Twp 8S, Rng 18E
At top prod. Interval reported below
At total depth

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32740	3/4/1996	Uintah	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
1/1/2004	1/5/2004	1/26/2004	4955' GL 4967' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6300'	6198'		------->	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: Green River 4452'-5991'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED: No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	316'	12-1/4"	To surface with 175 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6224'	7-7/8"	300 sx Premlite II and 400 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 @ 6061'	TA @ 5927'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(CP4) 5963-68', 5986-91'	.038	4/40
(LODC) 5513-16', 5532-43',		
5552-61', 5566-75'	.038	2/64
(B2) 5344-5354'	.038	4/40
(GB4, GB6) 4452-4474', 4522'-4527'	.038	4/64

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5963'-5991'	Frac w/ 35,756# 20/40 sand in 370 bbls fluid.
5513'-5575'	Frac w/ 120,189# 20/40 sand in 481 bbls fluid.
5344-5354'	Frac w/ 14,517# 20/40 sand in 188 bbls fluid.
4452-4527'	Frac w/ 78,013# 20/40 sand in 576 bbls fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
1/26/2004	2-1/2" x 1-1/2" x 15' RHAC Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	49	88	17	1796

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: MAR 0 1 2004

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

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

SIGNED Brian Harris TITLE Engineering Technician DATE 2/26/2004

BDH

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

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

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.
			Well Name **Sundance State 1-32R-8-18**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	**4274'**	
Garden Gulch 1		
Garden Gulch 2		
Point 3 Mkr	**4512'**	
X Mkr	**4758'**	
Y-Mkr	**4792'**	
Douglas Creek Mkr	**4926'**	
BiCarbonate Mkr	**4170'**	
B Limestone Mkr		
Castle Peak	**5755'**	
Basal Carbonate	**6144'**	
Total Depth (LOGGERS	**6300'**	

025

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**	5. LEASE DESIGNATION AND SERIAL NO. **ML-22058**
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.	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME **N/A**
OIL WELL [ ] GAS WELL [ ] OTHER [X]	7. UNIT AGREEMENT NAME **N/A**
2. NAME OF OPERATOR **INLAND PRODUCTION COMPANY**	8. WELL NAME and NUMBER **SUNDANCE STATE 1-32R-8-18**
3. ADDRESS AND TELEPHONE NUMBER **Rt. 3 Box 3630, Myton Utah 84052 435-646-3721**	9 API NUMBER **43-047-32740**
4. LOCATION OF WELL Footages **660 FNL 659 FEL** QQ, SEC, T, R, M: **NE/NE Section 32, T8S R18E**	10 FIELD AND POOL, OR WILDCAT **8 MILE FLAT NORTH** COUNTY **UINTAH** STATE **UTAH**

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

NOTICE OF INTENT: (Submit in Duplicate)		SUBSEQUENT REPORT OF: (Submit Original Form Only)	
[ ] ABANDON	[ ] NEW CONSTRUCTION	[ ] ABANDON*	[ ] NEW CONSTRUCTION
[ ] REPAIR CASING	[ ] PULL OR ALTER CASING	[ ] REPAIR CASING	[ ] PULL OR ALTER CASING
[ ] CHANGE OF PLANS	[ ] RECOMPLETE	[ ] CHANGE OF PLANS	[ ] RECOMPLETE
[ ] CONVERT TO INJECTION	[ ] REPERFORATE	[ ] CONVERT TO INJECTION	[ ] REPERFORATE
[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE	[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE
[ ] MULTIPLE COMPLETION	[ ] WATER SHUT OFF	[ ] OTHER	
[X] OTHER **Dispose Water**		DATE WORK COMPLETED	

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

*Must be accompanies 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.

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

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

13.

NAME & SIGNATURE: Mandie Crozier TITLE Regulatory Specialist DATE 3/16/2004

Mandie Crozier

(This space for State use only)

4/94

* See Instructions On Reverse Side

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

RECEIVED MAR 18 2004 DIV. OF OIL, GAS & MINING

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

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.

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 1st day of September, 2004.

INLAND RESOURCES INC.

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

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

026

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**

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

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 12-26	26	080S	180E	4304732731	11896	Federal	GW	S	
FEDERAL 34-26	26	080S	180E	4304732847	12123	Federal	OW	P	
FEDERAL 43-27	27	080S	180E	4304732732	11903	Federal	OW	S	
FEDERAL 14-28	28	080S	180E	4304732733	11908	Federal	OW	S	
FEDERAL 13-28	28	080S	180E	4304732743	11915	Federal	OW	TA	
FEDERAL 34-29	29	080S	180E	4304732742	11918	Federal	OW	P	
PARIETTE FED 32-29	29	080S	180E	4304732848	12144	Federal	OW	P	
SUNDANCE ST 1-32R-8-18	32	080S	180E	4304732740	11886	State	OW	P	K
SUNDANCE ST 3-32	32	080S	180E	4304732741	12059	State	OW	P	
SUNDANCE ST 4-32	32	080S	180E	4304732827	12106	State	OW	P	
SUNDANCE ST 6-32	32	080S	180E	4304732828	12105	State	D	PA	
SUNDANCE ST 7-32	32	080S	180E	4304732909		State	NA	LA	
MON FED 43-19-9-18Y	19	090S	180E	4304732730	11901	Federal	OW	P	
BIRKDALE FED 13-34	34	090S	180E	4304732777	12007	Federal	OW	S	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted 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**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

June 30, 2005

Newfield Production Company
Attn: Kelly L. Donohoue
1401 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Gentlemen:

The Sundance (Green River) Unit Agreement, Uintah County, Utah, was approved June 30, 2005. This agreement has been designated No. UTU82472X, and is effective July 1, 2005. The unit area embraces 11,143.86 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sundance (Green River) Unit will be covered by your nationwide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

UTU0075174	UTU39713	UTU65970*	UTU79013*
UTU16539*	UTU39714	UTU74404	UTU79014*
UTU16540	UTU44429	UTU74835	UTU80915
UTU17424*	UTU64806*	UTU74872*	UTU82205
UTU18043	UTU65969	UTU75234	

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 228-08 are fully committed. Docket No 2005-009

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

RECEIVED
JUL 07 2005
DIV. OF OIL, GAS & MINING

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Certification-Determination, signed by the School and Institutional Trust Land Administration for the State of Utah, is attached to the enclosed agreement. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Terry Catlin

Terry Catlin
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Mary Higgins w/enclosure
MMS - Data Management Division (Attn: James Sykes)
Trust Lands Administration
Division of Oil, Gas and Mining
Field Manager - Vernal w/enclosure
File - Sundance (Green River) Unit w/enclosure
Agr. Sec. Chron
Fluid Chron
Central Files

UT922:TAThompson:tt:06/30/2005

Entity Form 6

"C" Change from one existing entity to another existing entity

API	Well	Sec	Twsp	Rng	Entity	Entity Eff Date
4301316218	CASTLE DRAW 16-10-9-17	10	090S	170E	8120 to 14844	9/20/2005
4301330568	FEDERAL 8-10-9-17	10	090S	170E	8000 to 14844	9/20/2005
4301332502	FEDERAL 9-10-9-17	10	090S	170E	14325 to 14844	9/20/2005
4301331593	MON FED 11-11-9-17Y	11	090S	170E	11904 to 14844	9/20/2005
4301332486	FEDERAL 5-11-9-17	11	090S	170E	14285 to 14844	9/20/2005
4301332510	FEDERAL 13-11-9-17	11	090S	170E	14273 to 14844	9/20/2005
4301332544	FEDERAL 12-11-9-17	11	090S	170E	14613 to 14844	9/20/2005
4301332704	FEDERAL 12-14-9-17	14	090S	170E	14786 to 14844	9/20/2005
4301331023	FEDERAL 15-1-B	15	090S	170E	10201 to 14844	9/20/2005
4304734494	FEDERAL 1-31-8-18	31	080S	180E	13927 to 14844	9/20/2005
4304734495	FEDERAL 2-31-8-18	31	080S	180E	13959 to 14844	9/20/2005
4304734496	FEDERAL 3-31-8-18	31	080S	180E	13915 to 14844	9/20/2005
4304734497	FEDERAL 4-31-8-18	31	080S	180E	13942 to 14844	9/20/2005
4304734498	FEDERAL 5-31-8-18	31	080S	180E	13898 to 14844	9/20/2005
4304734499	FEDERAL 6-31-8-18	31	080S	180E	13960 to 14844	9/20/2005
4304734500	FEDERAL 7-31-8-18	31	080S	180E	13925 to 14844	9/20/2005
4304734501	FEDERAL 11-31-8-18	31	080S	180E	13924 to 14844	9/20/2005
4304734502	FEDERAL 12-31-8-18	31	080S	180E	13958 to 14844	9/20/2005
4304734503	FEDERAL 13-31-8-18	31	080S	180E	14324 to 14844	9/20/2005
4304734504	FEDERAL 8-31-8-18	31	080S	180E	13961 to 14844	9/20/2005
4304734930	FEDERAL 10-31-8-18	31	080S	180E	13986 to 14844	9/20/2005
4304734931	FEDERAL 9-31-8-18	31	080S	180E	13963 to 14844	9/20/2005
4304731116	NGC ST 33-32	32	080S	180E	6210 to 14844	9/20/2005
4304732500	STATE 31-32	32	080S	180E	11645 to 14844	9/20/2005
4304732685	SUNDANCE ST 5-32	32	080S	180E	11781 to 14844	9/20/2005
4304732740	SUNDANCE ST 1-32R-8-18	32	080S	180E	11886 to 14844	9/20/2005
4304732741	SUNDANCE ST 3-32	32	080S	180E	12059 to 14844	9/20/2005
4304732827	SUNDANCE ST 4-32	32	080S	180E	12106 to 14844	9/20/2005
4304734458	SUNDANCE 7-32-8-18	32	080S	180E	13987 to 14844	9/20/2005
4304734459	SUNDANCE 8-32-8-18	32	080S	180E	14047 to 14844	9/20/2005
4304734460	SUNDANCE 9-32-8-18	32	080S	180E	13988 to 14844	9/20/2005
4304734461	SUNDANCE 11-32-8-18	32	080S	180E	13962 to 14844	9/20/2005
4304734462	SUNDANCE 12-32-8-18	32	080S	180E	14031 to 14844	9/20/2005
4304734463	SUNDANCE 13-32-8-18	32	080S	180E	13964 to 14844	9/20/2005
4304734464	SUNDANCE 14-32-8-18	32	080S	180E	14046 to 14844	9/20/2005

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

AUG 21 2006

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

David Gerbig
Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

43.047.32740
8S 18E 32

Re: FINAL UIC Permit
EPA UIC Permit UT21027-06980
Well: Sundance State 1-32R-8-18
Duchesne County, UT

Dear Mr. Gerbig:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Sundance State 1-32R-8-18 injection well. A Statement of Basis, which discusses development of the conditions and requirements of the Permit, also is included.

The Public Comment period ended on MAY - 5 2006. There were no comments on the Draft Permit received during the Public Notice period, and therefore the Final Permit becomes effective on the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this Permit becomes effective.

Please note that under the terms of the Final Permit, you are authorized only to construct the proposed injection well, and must fulfill the "Prior to Commencing Injection" requirements of the Permit, Part II Section C Subpart 1 and obtain written Authorization to Inject prior to commencing injection. It is your responsibility to be familiar with and to comply with all provisions of the Final Permit.

The Permit and the authorization to inject are issued for the operating life of the well unless terminated (Part III, Section B). The EPA will review this Permit at least every five (5) years to determine whether action under 40 CFR § 144.36(a) is warranted.

RECEIVED
AUG 24 2006
DIV. OF OIL, GAS & MINING

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Dan Jackson of my staff at (303) 312-6155, or toll-free at (800) 227-8917, ext. 6155.

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit
Statement of Basis

cc:

cc: without enclosures

Maxine Natchees, Acting Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, UT 84026

BIA - Uintah & Ouray Indian Agency
P.O. Box 130
Fort Duchesne, UT 84026

Lynn Becker, Director
Energy and Minerals Department
Ute Indian Tribe
P.O. Box 70
Ft. Duchesne, UT 84026

cc: with enclosures

Mike Guinn
Newfield Exploration Company
10530 South Country Road #33
Myton, UT 84052

S. Elaine Willie
Environmental Coordinator
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, UT 84026

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84114-5801

Fluid Minerals Engineering Department
BLM - Vernal District
170 South 500 East
Vernal, UT 84078

EPA

UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT

PREPARED: July 2006

Permit No. UT21027-06980

Class II Enhanced Oil Recovery Injection Well

Sundance State 1-32R-8-18
Duchesne County, UT

Issued To

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

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Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Sundance State 1-32R-8-18
550 ft FNL 660 ft FEL, NENE S32, T8S, R18E
Duchesne County, UT

Permit requirements herein are based on regulations found in 40 CFR Parts 124, 144, 146, and 147 which are in effect on the Effective Date of this Permit. Issuance of this Permit does not convey any property rights of any sort, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of other federal, State or local law or regulation.

This Permit is based on representations made by the applicant and on other information contained in the Administrative Record. Misrepresentation of information or failure to fully disclose all relevant information may be cause for termination, revocation and reissuance, or modification of this Permit and/or formal enforcement action. This Permit will be reviewed periodically to determine whether action under 40 CFR 144.36(a) is required.

This Permit is issued for the life of the well or wells unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for this program is delegated to an Indian Tribe or a State. Upon the effective date of delegation, all reports, notifications, questions and other compliance actions shall be directed to the Indian tribe or State Program Director or designee.

Issue Date: AUG 21 2006

Effective Date AUG 21 2006

for Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

(a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and

(b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:

  (i) on the injection tubing; and

  (ii) on the tubing-casing annulus (TCA); and

(c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure specified in APPENDIX C is reached at the wellhead; and

(d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

(a) There is no significant leak in the casing, tubing, or packer (Part I); and

(b) There is no significant fluid movement into an underground source of drinking water throught vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

(a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and

(i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or

(ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

(a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.

(b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

(a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;

(b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;

(c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

(b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.

(c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.

(d) Pressures are to be measured in pounds per square inch (psi).

(e) Fluid volumes are to be measured in standard oil field barrels (bbl).

(f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

(a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.

(b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

(c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which prevents the movement of fluids into or between underground sources of drinking water. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director. The well shall be plugged in accordance with the approved plugging and abandonment plan and with 40 CFR 146.10.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

(a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or

(b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

(b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and

(c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging , or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

(a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.

(b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.

(d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.

(e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:

(i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or

(ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

(f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.

(g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.

(h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

(a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or

(b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

Casing and Cementing
The well was drilled in March 1996 to a total depth of 6,300 ft, and began oil production from the Green River Formation in November 1998. Surface casing was set at 316 ft below ground surface (BGS) and cemented using 175 sx to surface. Long string casing was set at 6,225 ft and cemented with 300 sx to approximately 950 ft BGS.

Tubing and Packer
For injection service a packer and tubing assembly are required. The tubing shall be of 2-7/8 inch or similar size, and the packer shall be set no more than 100 ft above the top perforation.

UT21027-06980

Sundance State 1-32R-8-18

Spud Date: 3/14/96
Put on Production:1/26/04
GL: 4955' KB:4968'

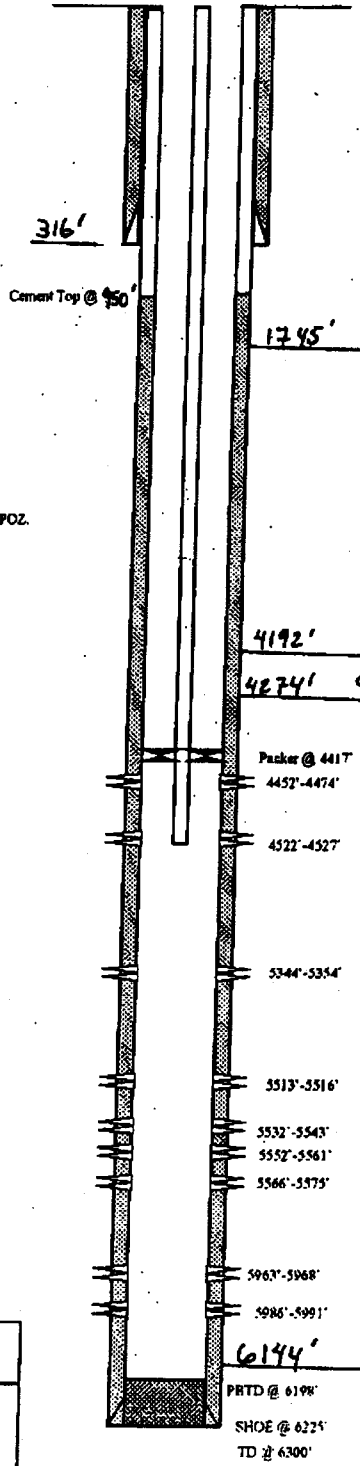
Initial Production: 49 BOPD, 88 MCFD, 17 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (308.01')
DEPTH LANDED: 316.21' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 175 sxs Class G cmt, est 8 bbls cmt to surf.

PRODUCTION CASING
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6226.99')
DEPTH LANDED: 6224.99' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 858'

TUBING
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 183 jts (5915.80')
TUBING ANCHOR: 5927.80' KB
NO. OF JOINTS: 2 jts (64.60')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5995.20' KB
NO. OF JOINTS: 2 jts (64.72')
TOTAL STRING LENGTH: EOT @ 6061.47' W/12 'KB



NEWFIELD

Sundance State 1-32R-8-18
660' FNL & 659' FEL
NE/NE Section 32-T8S-R18E
Uintah Co, Utah
API #43-047-32748; Lease #ML-22058

Sundance St 1-32R const.bmp

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.
Logs will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.
Tests will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: Sundance State 1-32R-8-18

TYPE OF TEST	DATE DUE
Pore Pressure	prior to commencing injection
Standard Annulus Pressure	prior to commentcing injection and at least once every five years thereafter
Radioactive Tracer Survey (2)	within the approved "Limited Authorization to Inject" period, and at least once every five years thereafter

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi) ZONE 1 (Upper)
Sundance State 1-32R-8-18	1,405

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Sundance State 1-32R-8-18

FORMATION NAME	APPROVED INJECTION INTERVAL (GL, ft) TOP	BOTTOM	FRACTURE GRADIENT (psi/ft)
Garden Gulch Member - Green River Formation	4,274.00	6,144.00	0.750

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and averaged annulus pressure(s) (psig)
	Each month's averaged injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with other applicable federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The permittee is required to also comply with other applicable federal, state and local plugging regulations. At a minimum, the following plugs are required:

PLUG 1: Remove tubing from the well, perform necessary clean out, and displace fluid in well with 9.6 lb. Bentonite or plugging gel. Set a cast iron bridge plug (CIBP) no more than 100 ft above the top perforation at 4,452 ft with a minimum 20 ft cement plug on top of the CIBP.

PLUG 2: Set a minimum 200 ft balanced cement plug from approximately 2,000 to ,2200 ft.

PLUG 3: Set a minimum 100 ft balanced cement plug across the base of the Uintah Formation at 1745 ft.

PLUG 4: Pump cement down to at least 50 ft below the casing shoe at 316 ft and cement to surface.

PLUG 5: Set a cement plug on the backside of the casing from surface to a depth of at least 50 ft.

Sundance State 1-32R-8-18

UT21027-06980

Spud Date: 3/14/96
Put on Production: 1/26/04
GL: 4955' KB:4968'

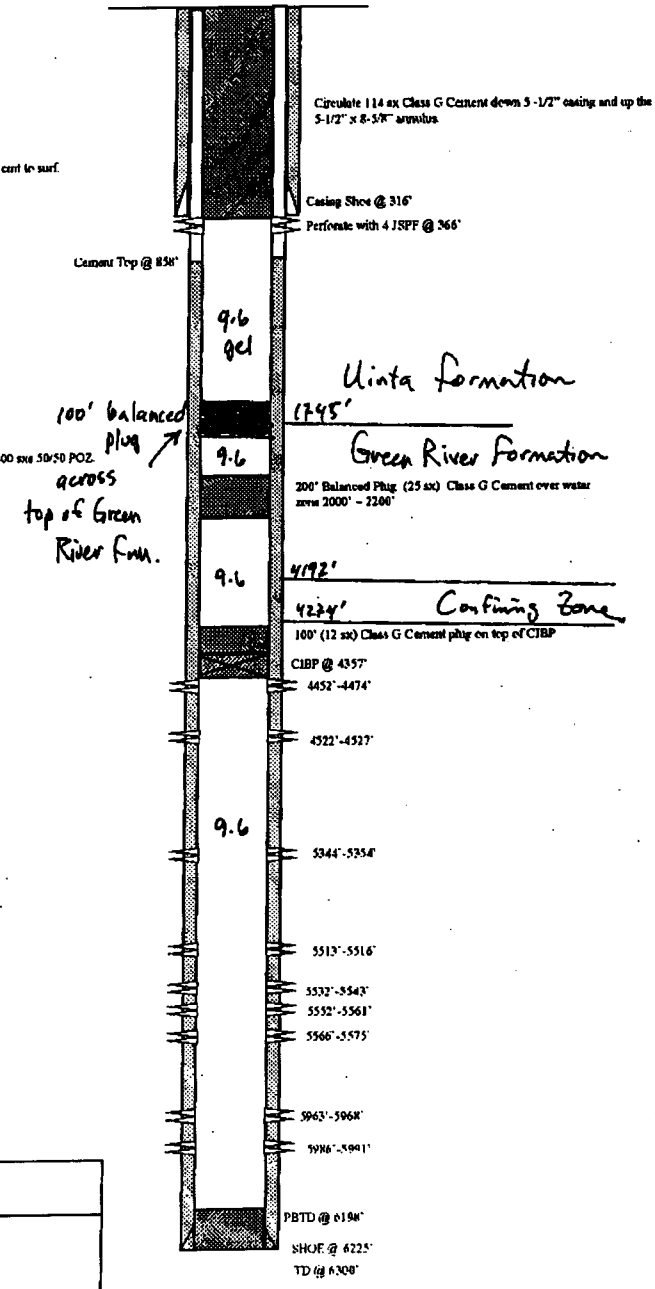
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (308.01')
DEPTH LANDED: 316.21' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 175 sxs Class G cmt, est 8 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6226.99')
DEPTH LANDED: 6224.99' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 858'

Proposed P & A
Wellbore Diagram



NEWFIELD
Sundance State 1-32R-8-18
660' FNL & 659' FEL
NE/NE Section 32-T8S-R18E
Uintah Co, Utah
API #43-047-32710 Lease #ML-22656

Sundance St 1-32R P&A.bmp

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY
SUNDANCE STATE 1-32R-8-18
DUCHESNE COUNTY, UT

EPA PERMIT NO. UT21027-06980

CONTACT: Dan Jackson
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
999 18th Street, Suite 300
Denver, Colorado 80202-2466
Telephone: 1-800-227-8917 ext. 6155

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

UIC Permits specify the conditions and requirements for construction, operation, monitoring and reporting, and plugging of injection wells to prevent the movement of fluids into underground sources of drinking water (USDWs). Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the conversion and operation of a "new" injection well or wells governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

on

September 26, 2005

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Sundance State 1-32R-8-18
550 ft FNL 660 ft FEL, NENE S32, T8S, R18E
Duchesne County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Sundance State 1-32R-8-18 is currently a Green River Formation production well. The applicant intends to convert the well to an enhanced recovery injection well to support existing Green River Formation enhanced oil recovery operations in the Greater Monument Butte Oil Field.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

TABLE 1.1

WELL STATUS / DATE OF OPERATION

CONVERSION WELLS

Well Name	Well Status	Date of Operation
Sundance State 1-32R-8-18	Conversion	N/A

PART II. Permit Considerations (40 CFR 146.24)

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uintah Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formation and the Douglas Creek Member of the Green River Formation contain an aquifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta Formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of the aquifer, and discharge occurs near the White and Green Rivers. (From USGS publication HA 730-C) Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

Geologic Setting (TABLE 2.1)

The proposed injection well is located in the Newfield Production Company Greater Monument Butte area near the center of the broad, gently northward dipping south flank of the Uinta Basin. The beds dip at about 200 ft/mile, and there are no known surface folds or faults in the field. Although the Tertiary Duchesne River Formation may occasionally be present at the surface in this area, usually the lower 600 ft to 800 ft of the Uinta Formation outcrops at the surface. The Uinta Formation, generally consisting of 5 ft to 20 ft interbedded lenticular fluvial sandstone and varicolored shale, is underlain by the Green River Formation which consists of lake (lacustrine) margin sandstones, limestone and shale beds that were deposited along the edges and on the broad level floor of Lake Uinta as it expanded and contracted through time. Deposition in and around Lake Uinta consisted of open to marginal lacustrine sediments that make up the Green River Formation. The cyclic nature of deposition in the southern shore area resulted in numerous stacked deltaic deposits. Distributary mouth bars, distributary channels, and near shore bars are the primary producing sandstone reservoirs in the area (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report 4/1/99 9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE AC26 98BC15103). The gross intervals over which porous sandstones occur are comprised of tight sandstone and interbedded shale forming the confining layers to the individual sandstone lenses. Underlying the Green River Formation is the Wasatch Formation, approximately 2,400= thick in this area, that consists of red alluvial shale and siltstone with scattered lenticular sandstone. The sediments that make up the Wasatch Formation were deposited mainly by streams flowing into the basin from the surrounding uplands. The mudstone and siltstone probably were deposited along flood plains, while the lenticular sand and conglomerate were laid down in stream channels. Where streams entered the lake tongues of deltaic deposits, sands or mudstones interfinger into the Green River Lake sediments. Below the Wasatch Formation is the Mesaverde Formation; a series

of interbedded continental deposits of shale, sandstone, and coal.

TABLE 2.1
GEOLOGIC SETTING
Sundance State 1-32R-8-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta Formation	0.00	1,745.00	< 10,000.00	interbedded lenticular fluvial sandstone, shale and siltstone
Green River Formation	1,745.00	6,144.00	> 10,000.00	tight sandstone and interbedded shale forming confining layers between individual permeable lenticular sandstones
Wasatch Formation	6,144.00	6,500.00	> 10,000.00	

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The approved injection zone for enhanced recovery is the 1,870 ft interval within the Green River Formation between the top of the Garden Gulch Member 2-Marker at 4,274 feet to the top of the Wasatch Formation, estimated at 6,144 feet. The proposed interval for injection within the approved zone is the 1,539 ft interval bounded by perforations at 4,452 ft to 5,991ft.

TABLE 2.2
INJECTION ZONES
Sundance State 1-32R-8-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Garden Gulch Member - Green River Formation	4,274.00	6,144.00	14,431.00	0.750		N/A

*** C - Currently Exempted**
E - Previously Exempted
P - Proposed Exemption
N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The Confining Zone is identified as an 82 interval of impermeable shale and interbedded tight sandstone within the upper Green River Formation Garden Gulch Member from 4,192 ft to 4,274 ft (KB).

TABLE 2.3
CONFINING ZONES
Sundance State 1-32R-8-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)
upper Green River Formation	impermeable shale and interbedded tight sandstone within the upper Green River Formation Garden Gulch Member	4,192.00	4,274.00

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)
Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

Technical Publication No. 92: State of Utah, Department of Natural Resources, maps the base of moderately saline ground water in the Uinta Formation at approximately 255 feet from the surface. Analysis of water from the proposed injection zone indicates the total dissolved solids concentration is 14,431 mg/l.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Sundance State 1-32R-8-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta Formation	interbedded lenticular fluvial sandstone, shale and siltstone	0.00	1,745.00	< 10,000.00

PART III. Well Construction (40 CFR 146.22)

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Sundance State 1-32R-8-18

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
long string	7.88	5.50	0.00 - 6,225.00	950.00 - 6,300.00
surface	12.25	8.63	0.00 - 216.00	0.00 - 216.00

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be

binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1
AOR AND CORRECTIVE ACTION

Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Federal 44-29	Producer	No	6,250.00	2,700.00	No
State 31-32-8-18	Producer	No	6,400.00	2,484.00	No
Sundance State 8-32-8-18	Producer	No	6,261.00	340.00	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

There are no known surface folds or faults in the field.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

PART V. Well Operation Requirements (40 CFR 146.23)

TABLE 5.1
INJECTION ZONE PRESSURES
Sundance State 1-32R-8-18

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Garden Gulch Member - Green River Formation	4,452.00	0.750	1,405

Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, is prohibited.

The proposed injectate is a blend of source water from the Johnson Water District Reservoir with a TDS of 674 mg/l, occasionally blended with produced water with a TDS 14,431 mg/l at the Monument Butte Injection Facility for a blended TDS of approximately 7,930 mg/l.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure

that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The Initial MAIP is 1,405 psi, based on a specific gravity of 1.002, a fracture gradient of .75 and a top perforation of 4,452 ft.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit,

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)
fg = fracture gradient (from submitted data or tests)
sg = specific gravity (of injected fluid)
d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Part I MI This well is constructed with a standard casing, tubing, and packer configuration. A successful demonstration of Part I (Internal) mechanical integrity (Part I MI), no significant leak in the casing, tubing or packer, is required prior to commencing injection and at least once every five years thereafter. Demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing, or packer. Part I MI may be demonstrated by a standard tubing casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, whichever is less, with no greater than ten percent pressure loss over thirty minutes.

Part II MI The CBL for this well shows 80% or greater bond from approximately 4,490 ft to 4,578 ft and from 4,4594 ft and deeper, and the top of cement is at approximately 950 ft. The cement bond log (CBL) cementing records do not indicate the presence of adequate cement to prevent

significant fluid movement through vertical channels adjacent to the injection well bore, Part II (External) Mechanical Integrity (Part II MI), pursuant to standards of Region 8 GROUND WATER SECTION GUIDANCE NO. 34 ACement Bond Logging Techniques and Interpretation.@ Therefore, the permittee is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within a limited authorized period. The demonstration shall be by radioactive tracer survey or temperature survey. The limited authorized period will allow injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II MI, necessary because the proposed injection zone may be underpressured due to previous oil production from the zone, and the tests rely on stable formation pressure.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well or wells must be plugged with cement in a manner which will not allow the movement of fluids either into or between USDWs. The plugging and abandonment plan is described in Appendix E of the Permit.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with other applicable federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The permittee is required to also comply with other applicable federal, state and local plugging regulations.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The

permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Financial Statement, received April 22, 2005

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22058

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: SUNDANCE UNIT

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: SUNDANCE STATE 1-32R-8-18

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4304732740

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

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 660 FNL 659 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 32, T8S, R18E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☒ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
10/20/2006	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: -
	☒ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 10/20/06. On 10/5/06 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 11/1/06. On 11/1/06 the casing was pressured up to 1490 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20702-06743 API# 43-047-32740

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

NAME (PLEASE PRINT) Callie Ross TITLE Production Clerk

SIGNATURE Callie Ross DATE 11/08/2006

(This space for State use only)

RECEIVED
NOV 13 2006
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 11/01/06
Test conducted by: Dale Giles
Others present: _____

Well Name: Sundance 1-32-8-18R Type: ER SWD Status: AC TA UC
Field: Sundance Unit
Location: _____ Sec: 32 T 8 N (S) R 18 (E) W County: Uintah State: Ut.
Operator: Newfield Production Co.
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

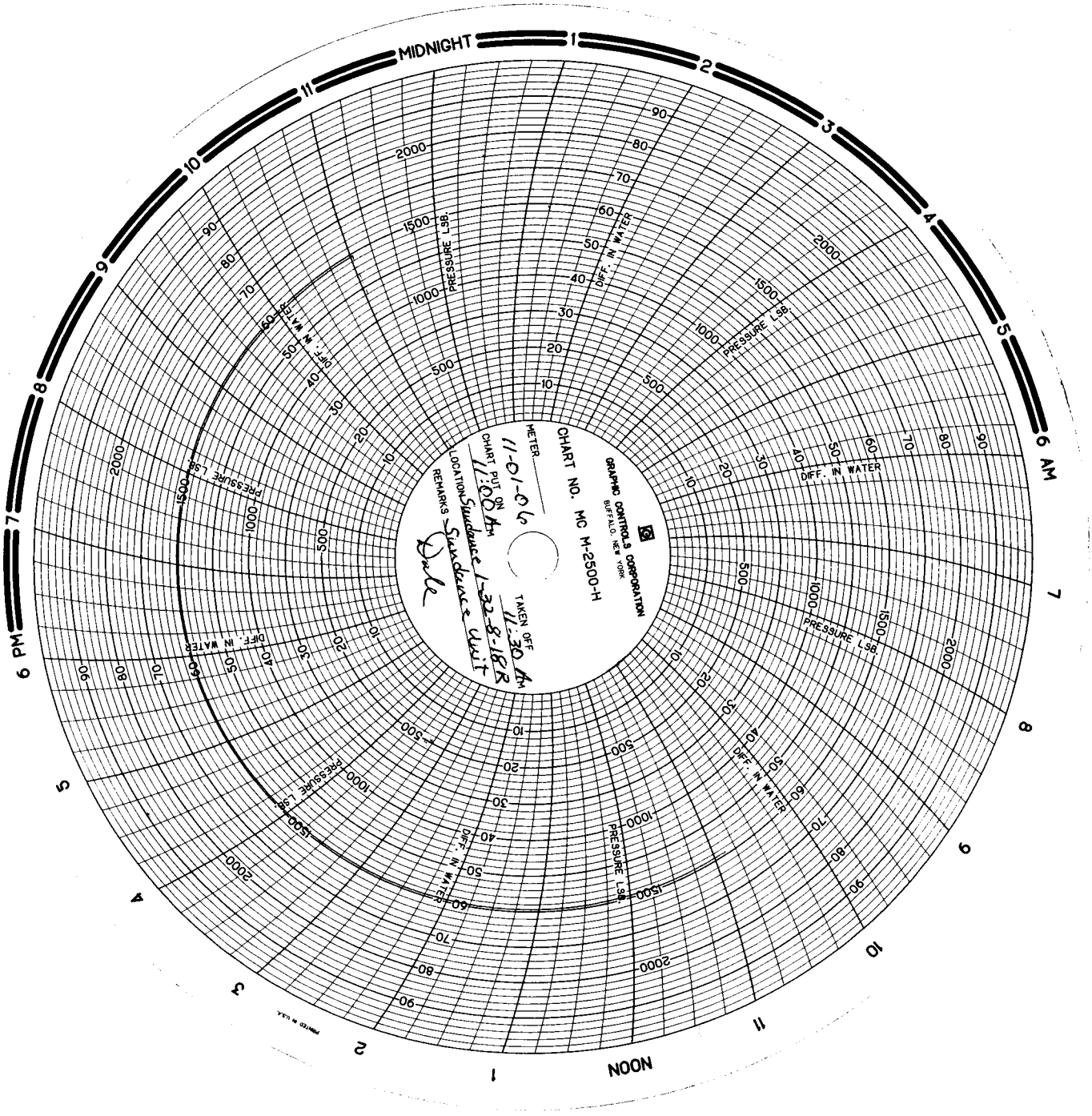
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	40 psig	psig	psig
End of test pressure	40 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1490 psig	psig	psig
5 minutes	1490 psig	psig	psig
10 minutes	1490 psig	psig	psig
15 minutes	1490 psig	psig	psig
20 minutes	1490 psig	psig	psig
25 minutes	1490 psig	psig	psig
30 minutes	1490 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness:


MIDNIGHT
NOON
6 AM
6 PM
DIFF. IN WATER
PRESSURE LBS.
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC M-2500-H
METER
11-01-04
CHART PUT ON
11:00 AM
TAKEN OFF
11:30 AM
LOCATION Sundance 1-32-8-18R
REMARKS Sundance Unit
Dale

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 200
DENVER, CO 80202-2466
http://www.epa.gov/region08

Ref: 8P-W-GW

DEC - 5 2006

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

Mr. Mike Guinn
Vice President - Operations
Newfield Production Company
Route 3 - Box 3630
Myton, UT 84502

8S 18E 32
43-047-32740

Sundance St. 1-32R-8-18

RE: **180-Day Limited Authorization to Inject**
State No. 1-32R-8-18
EPA Permit No. UT21027-06980
Uintah County, Utah

Dear Mr. Guinn:

The Newfield Production Company (Newfield) November 8, 2006 submission of **Prior to Commencing Injection** documents did contain all information required to fulfill the Environmental Protection Agency's (EPA) requirements, as cited in the Final Permit UT21027-06980. The submitted data included an EPA Well Rework Form (Form No. 7520-12), a Part I (Internal) Mechanical Integrity Test, and an injection zone pore pressure. All requirements were reviewed and approved by the EPA on November 27, 2006.

The EPA is hereby authorizing injection into the State No. 1-32R-8-18 for a limited period of up to one hundred and eighty (180) calendar days, herein referred to as the "Limited Authorized Period". **The 180-Day "Limited Authorized Period" will commence upon the first date of enhanced recovery injection.** The permittee is responsible for notifying Emmett Schmitz, of my office, by letter within fifteen (15) working days of the date that enhanced recovery injection began. The initial maximum allowable injection pressure (MAIP) shall be **1405 psig**.

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index cement through the confining zone overlying the Garden Gulch Member, **the operator is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within the 180-day "Limited Authorized Period"**. Approved tests for demonstrating Part II (External) MI include a Temperature Survey, a Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances. The "Limited Authorized Period" allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II (External) MI, which is necessary because the proposed injection zone is under-pressured due to previous oil production from the zone, and the tests rely on stable formation pressure. Results of tests shall be submitted to and written approval with authority to re-commence injection received from EPA prior to resuming injection following the "Limited Authorized Period". Copies of current Region 8 Guidelines for conducting Part II (External) Mechanical Integrity Tests will be submitted upon request.

Should you choose to apply for an increase to the MAIP, at any future date, **a demonstration of Part II (External) MI** must be conducted **in addition to the Step-Rate Test**. You must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during the test(s).

Please note the November 8, 2006 Newfield advisement of the conversion of the captioned well to an enhanced injection facility has misidentified the Permit Number and Well Identification Number. **Please correct your files to show the correct identification numbers as UT21027-06980.**

If you have any questions in regard to the above action, please contact Emmett Schmitz at 1-800-227-8917 (Ext. 6174), or 303-312-6174. Results from the Part II (External) MI Test, should be mailed directly to the **ATTENTION: EMMETT SCHMITZ**, at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office Of Partnerships and Regulatory Assistance

cc: David Gerbig
Operations Engineer
Newfield Production Company
Denver, CO 80202

Maxine Natchees
Acting Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Lynn Becker
Director
Energy & Minerals Department
Ute Indian Tribe

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources
Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal Office

Mr. Nathan Wiser
8ENF-UFO

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22058
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
8. WELL NAME and NUMBER: SUNDANCE STATE 1-32R-8-18
9. API NUMBER: 4304732740
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FNL 659 FEL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 32, T8S, R18E STATE: UT

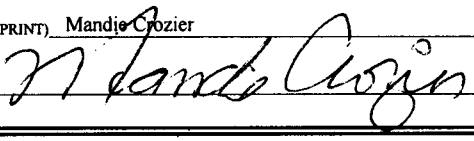
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARILY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[X] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Put Well on Injection
12/14/2006	[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above referenced well was put on injection at 8:30 a.m. on 12/14/06.

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

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE  DATE 12/15/2006

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RECEIVED
DEC 18 2006
DIV. OF OIL, GAS & MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER:	UTAH STATE ML-22058
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	SUNDANCE UNIT
8. WELL NAME and NUMBER:	SUNDANCE STATE 1-32R-8-18
9. API NUMBER:	4304732740
10. FIELD AND POOL, OR WILDCAT:	MONUMENT BUTTE

1. TYPE OF WELL: ~~OIL WELL~~ ☒ GAS WELL ☐ OTHER WI

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FNL 659 FEL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 32, T8S, R18E STATE: UT

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
04/18/2007	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Step Rate Test
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on April 3, 2007. Results from the test indicate that the fracture gradient is .763 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1440 psi.

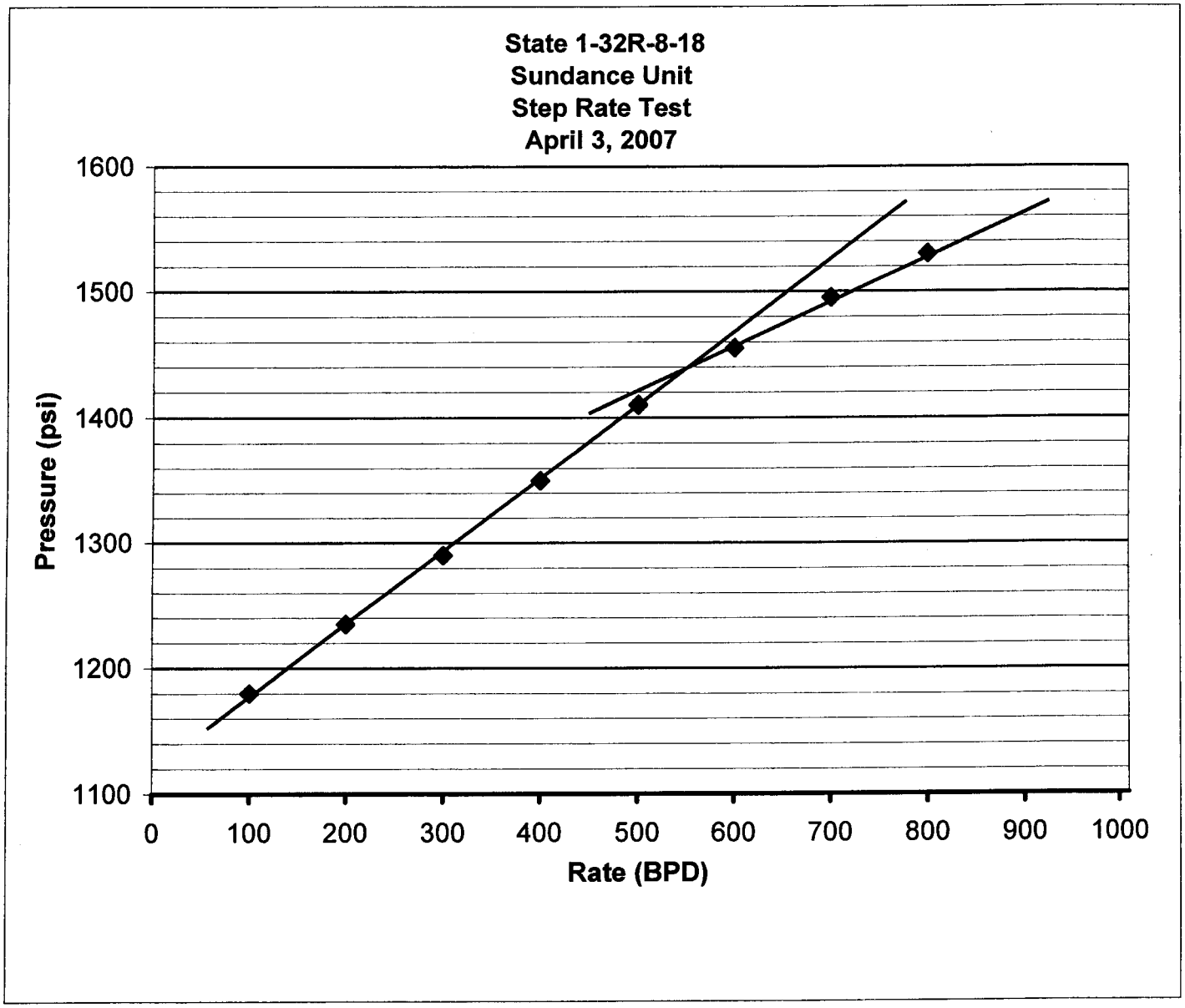
Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Cheyenne Bateman TITLE Well Analyst Foreman

SIGNATURE [signature] DATE 04/18/2007

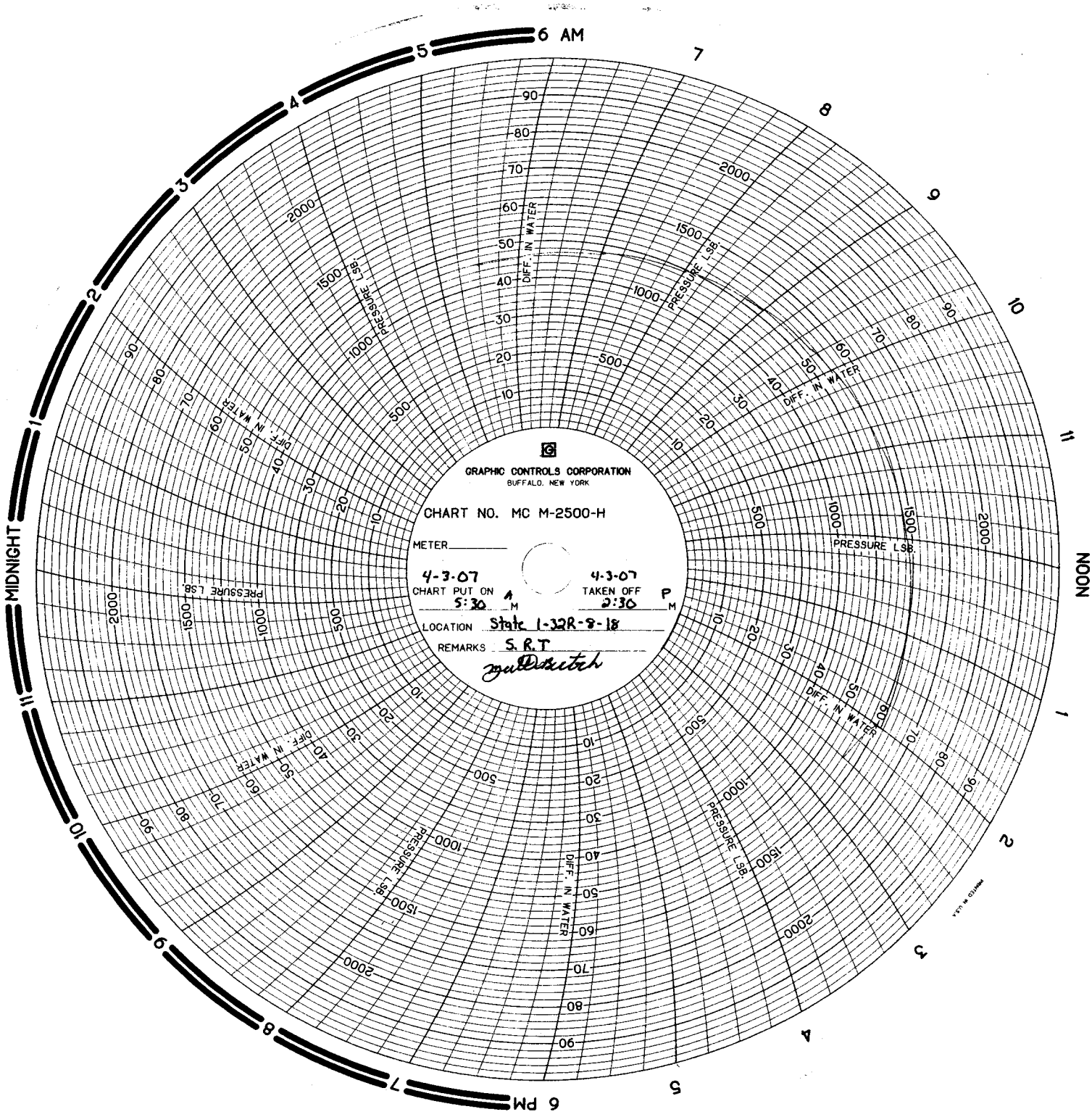
(This space for State use only)

RECEIVED
APR 20 2007
DIV. OF OIL, GAS & MINING



Start Pressure:	1140	psi
Instantaneous Shut In Pressure (ISIP):	1495	psi
Top Perforation:	4452	feet
Fracture pressure (Pfp):	1440	psi
FG:	0.763	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1180
2	200	1235
3	300	1290
4	400	1350
5	500	1410
6	600	1455
7	700	1495
8	800	1530


6 AM
NOON
6 PM
MIDNIGHT
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC M-2500-H
METER
4-3-07
CHART PUT ON 5:30 A M
4-3-07
TAKEN OFF 2:30 P M
LOCATION State 1-32R-8-18
REMARKS S.R.T
DIFF. IN WATER
PRESSURE LSB.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

AUG 20 2007

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

Mr. Michael Guinn
Vice President-Operations
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

43-047-32740
8S 18E 32

RE: AUTHORIZATION TO CONTINUE INJECTION
EPA UIC Permit UT21027-06980
Well: Sundance State 1-32R-8-18
~~Duchesne~~ Uintah County, Utah

Dear Mr. Guinn:

Thank you for submitting to Region 8 Ground Water Program office of the Environmental Protection Agency (EPA) the results from the July 26, 2007 Radioactive Tracer Survey (RTS) used to demonstrate Part II (External) Mechanical Integrity (MI) in the Sundance State 1-32R-8-18 Class II injection well. The results of the RTS were reviewed and approved on August 5, 2007, and the EPA has determined that the test adequately demonstrated Part II MI; that injected fluids will remain in the authorized injection interval at or below the Maximum Authorized Injection Pressure (MAIP) of **1440 psig.**

The EPA hereby authorizes continued injection into Sundance State 1-32R-8-18 under the terms and conditions of EPA UIC Permit UT21027-06980 at an **MAIP of 1440 psig.**

You may apply for a higher maximum allowable injection pressure at a later date. Your application should be accompanied by the interpreted results from a Step-Rate Test (SRT) that measures the formation fracture pressure and the fracture gradient at this location. A current copy of EPA Guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in approval of a higher maximum allowable injection pressure, a new Part II MI demonstration must be run to show that the injected fluids will remain in the authorized injection interval at the higher pressure. Please note that to use a pressure greater than the **MAIP of 1440 psig** during a SRT and RTS, you must first receive prior written authorization from the Director.

RECEIVED
SEP 05 2007
DIV. OF OIL, GAS & MINING

As of this approval, responsibility for Permit Compliance and Enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

US EPA, Region 8
Attn: Nathan Wiser
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit. If you have any questions regarding this approval, please call Patricia Pfeiffer at 800-227-8917 (ext. 312-6271). For questions regarding notification, testing, monitoring, reporting or other Permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211).

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Curtis Cesspooch, Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Ronald Groves, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Irene Cuch, Vice-Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Steven Cesspooch, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Francis Poowegup, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Chester Mills, Superintendent
BIA - Uintah & Ouray Indian Agency

Mr. David Gerbig
Operations Engineer
Newfield Production Company

Shawn Chapoose, Director
Land Use Department
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Lynn Becker, Director
Energy and Minerals Department
Ute Indian Tribe

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
ML-22058

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
GMBU (GRRV)

1. TYPE OF WELL
Water Injection Well

8. WELL NAME and NUMBER:
SUNDANCE ST 1-32R-8-18

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43047327400000

3. ADDRESS OF OPERATOR:
Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0660 FNL 0659 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 10/14/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

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

On 10/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 10/14/2011 the casing was pressured up to 1020 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1263 psig during the test. There was not an EPA representative available to witness the test.
EPA# UT21027-06980

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE		**DATE**
N/A		10/19/2011

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 10 / 14 / 11
Test conducted by: Lynn Monson
Others present: _____

Well Name: Sundance 1-32-8-18R Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: NE/NE Sec: 32 T 8 N/S R 18 E/W County: Uintah State: Ut.
Operator: Newfield
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1263 psig	psig	psig
End of test pressure	1263 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1020 psig	psig	psig
5 minutes	1020 psig	psig	psig
10 minutes	1020 psig	psig	psig
15 minutes	1020 psig	psig	psig
20 minutes	1020 psig	psig	psig
25 minutes	1020 psig	psig	psig
30 minutes	1020 psig	psig	psig
___ minutes	psig	psig	psig
___ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

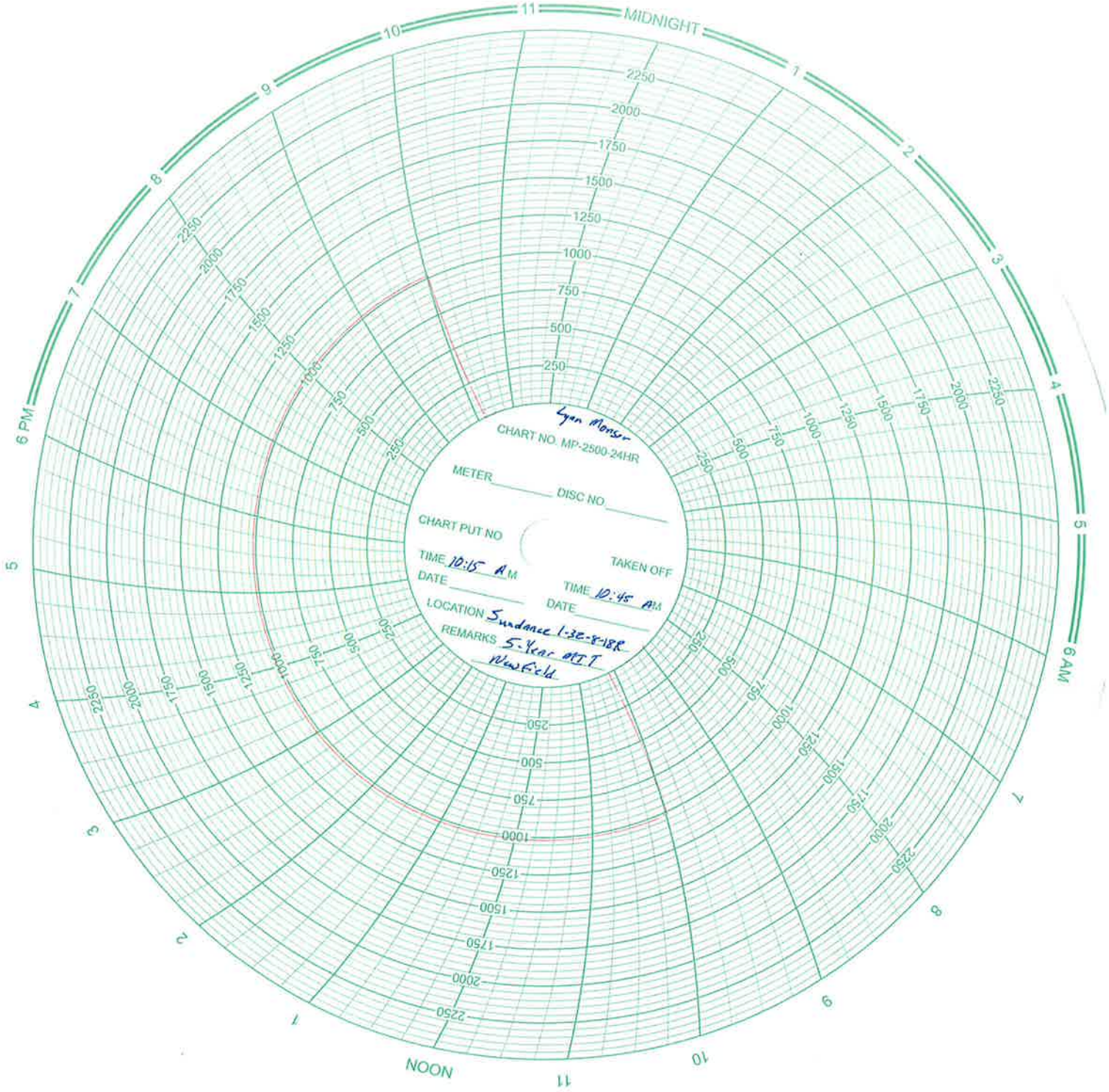
Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

RECEIVED Oct. 19, 2011



RECEIVED Oct. 19, 2011

Sundance State 1-32R-8-18

Spud Date: 3/14/96
Put on Production: 1/26/04
GL: 4955' KB:4968'

Initial Production: 49 BOPD, 88 MCFD, 17 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (308.01')
DEPTH LANDED: 316.21' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 175 sxs Class G cmt, est 8 bbls cmt to surf.

Cement Top @ 858'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6226.99')
DEPTH LANDED: 6224.99' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 858'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 136 jts (5915.80')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4404.38' KB
TOTAL STRING LENGTH: EOT @ 4412.98' W/12 'KB

Packer @ 4409'
EOT @ 4413'
4452'-4474'
4522'-4527'
5344'-5354'
5513'-5516'
5532'-5543'
5552'-5561'
5566'-5575'
5963'-5968'
5986'-5991'
PBTD @ 6198'
SHOE @ 6225'
TD @ 6300'

FRAC JOB

1/14/04	5963'-5991'	**Frac CP4 sands as follows:** 35,756# 20/40 sand in 370 bbls Lightning Frac 17 fluid. Treated @ avg press of 1603 psi w/avg rate of 24.3 BPM. ISIP 1920 psi. Calc flush: 5961 gal. Actual flush: 5964 gal.
1/16/04	5513'-5575'	**Frac LODC sands as follows:** 120,189# 20/40 sand in 841bbls Lightning Frac 17 fluid. Treated @ avg press of 1785 psi w/avg rate of 24.3 BPM. ISIP 2130 psi. Calc flush: 5511 gal. Actual flush: 5544 gal.
1/16/04	4452'-4527'	**Frac GB6 sands as follows:** 78,013# 20/40 sand in 576 bbls Lightning Frac 17 fluid. Treated @ avg press of 1746 psi w/avg rate of 24.4 BPM. ISIP 1960 psi. Calc flush:4450 gal. Actual flush: 4368 gal.
1/22/04	5344 '- 5354'	**Frac B2 sands as follows:** 14,517# 20/40 sand in 188 bbls Lightning Frac 17 fluid. Treated @ avg press of 3840 psi w/avg rate of 14.2 BPM. Screened Out.
9/21/04		Pump change. Update rod details.
10/20/06		**Well converted to an Injection well.**
11/8/06		**MIT completed and submitted.**

PERFORATION RECORD

1/14/04	5986'-5991'	4 JSPF	20 holes
1/14/04	5963'-5968'	4 JSPF	20 holes
1/16/04	5566'-5575'	2 JSPF	18 holes
1/16/04	5552'-5561'	2 JSPF	18 holes
1/16/04	5532'-5543'	2 JSPF	22 holes
1/16/04	5513'-5516'	2 JSPF	6 holes
1/16/04	5344'-5354'	4 JSPF	40 holes
1/16/04	4522'-4527'	4 JSPF	20 holes
1/16/04	4452'-4474'	2 JSPF	44 holes

NEWFIELD

Sundance State 1-32R-8-18

660' FNL & 659' FEL

NE/NE Section 32-T8S-R18E

Uintah Co, Utah

API #43-047-32740; Lease #ML-22058

CD 11 8 06

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22058

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: SUNDANCE ST 1-32R-8-18

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43047327400000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0659 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 18.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 9/15/2016	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
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	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: 5 YR MIT

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

5 YR MIT performed on the above listed well. On 09/15/2016 the casing was pressured up to 1124 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 476 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-06980

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 22, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 9/19/2016

RECEIVED: Sep. 19, 2016

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 9 / 15 / 16
Test conducted by: Michael Jensen
Others present: _____

Well Name: Sundance State 1-32R-8-18 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: NE/NE Sec: 32 T 8 N (S) R 18 (E) W County: Uintah State: UT
Operator: NewField
Last MIT: / / Maximum Allowable Pressure: 1641 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: 0 bpd

Pre-test casing/tubing annulus pressure: 0/477 psig

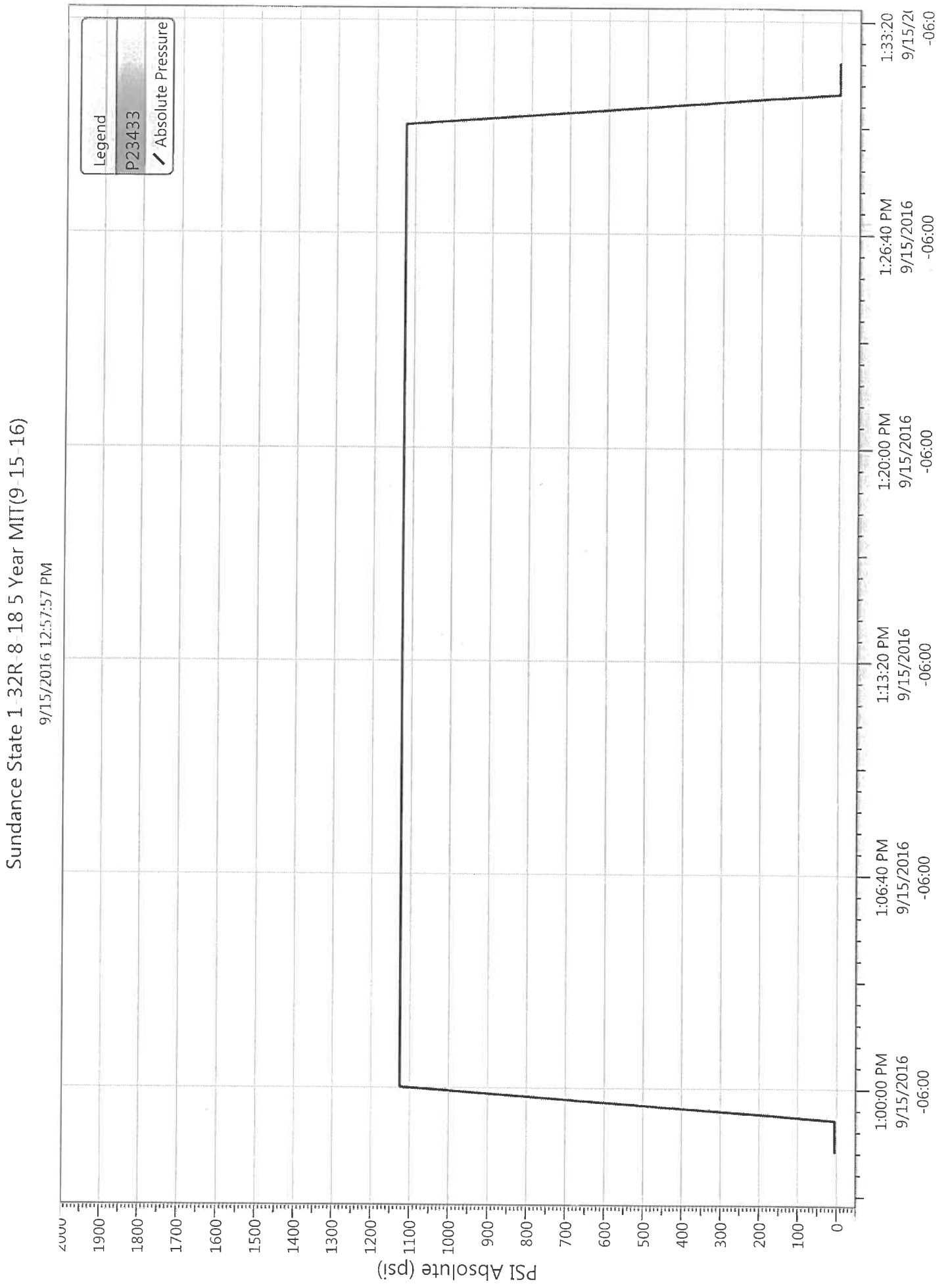
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	477 psig	psig	psig
End of test pressure	476 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1125.8 psig	psig	psig
5 minutes	1125.2 psig	psig	psig
10 minutes	1125.2 psig	psig	psig
15 minutes	1124.8 psig	psig	psig
20 minutes	1124.6 psig	psig	psig
25 minutes	1124.2 psig	psig	psig
30 minutes	1123.8 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____


Sundance State 1-32R-8-18 5 Year MIT(9-15-16)
9/15/2016 12:57:57 PM
Legend
P23433
Absolute Pressure
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
1:00:00 PM
9/15/2016
-06:00
1:06:40 PM
9/15/2016
-06:00
1:13:20 PM
9/15/2016
-06:00
1:20:00 PM
9/15/2016
-06:00
1:26:40 PM
9/15/2016
-06:00
1:33:20
9/15/2(
-06:0