



TOM BROWN, INC.

April 23, 2002

TO WHOM IT MAY CONCERN

Re: **Agent Authorization**

Gentlemen:

This letter is to inform you that Permitco is authorized to act as Agent and to sign documents on behalf of Tom Brown, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc. for any of Tom Brown, Inc. permits in Colorado and Utah.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production, or compliance regulations.

Tom Brown, Inc. agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned well.

This authorization is in effect until cancelled by Tom Brown, Inc.

Sincerely,

TOM BROWN, INC.

David S. Petrie  
Regulatory, Environmental &  
Govt. Relations Manager



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

August 26, 2003

Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Attn: John Baza

Re: Tom Brown, Inc.  
Big Indian #35-24  
2167' FNL and 850' FEL  
SE NE Sec. 35, T29S - R24E  
San Juan County, Utah  
Lease No. UTU-077077

Dear John,

Enclosed please find two copies of the A.P.D. for the above mentioned well along with one copy of the Onshore Order No. 1 which has been filed with the BLM office in Moab, Utah.

Please note that this location falls at non-standard spacing, however it is within the Big Indian Unit.

If you should have any questions regarding the enclosed material, please don't hesitate to contact me. Your early approval of this application would be greatly appreciated.

Sincerely,

PERMITCO INC.

Lisa L. Smith  
Consultant for:  
Tom Brown, Inc.

Enc.

cc: Tom Brown, Inc. - Denver, CO  
Tom Brown, Inc. - Grand Junction, CO  
Tom Brown, Inc. - Moab, UT

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SEP 02 2003

DIV. OF OIL, GAS & MINING

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

FORM 3

001

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO.: <b>UTU-077077</b>	6. SURFACE: <b>Federal</b>
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: <b>N/A</b>	
2. NAME OF OPERATOR: <b>Tom Brown Inc.</b>		9. WELL NAME and NUMBER: <b>Big Indian #35-24</b>	
3. ADDRESS OF OPERATOR: <b>555 - 17th Street, Suite 1850, Denver, CO 80202</b>		10. FIELD AND POOL, OR WILDCAT: <del>Big Indian</del> <i>Undesignated</i>	
PHONE NUMBER: <b>303/260-5000</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: <b>Sec. 35, T29S-R24E</b>	
4. LOCATION OF WELL (FOOTAGES)  AT SURFACE: <b>2167' FNL and 850' FEL</b> AT PROPOSED PRODUCING ZONE: <b>SE NE</b>		<i>4233568Y 38.23877</i> <i>654132X -109.23884</i>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>Approximately 37 miles southeast of Moab, UT</b>		12. COUNTY: <b>San Juan</b>	13. STATE: <b>Utah</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>850'</b>	16. NUMBER OF ACRES IN LEASE: <b>800</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40 Acres</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): <b>None</b>	19. PROPOSED DEPTH: <b>6,100'</b>	20. BOND DESCRIPTION: <b>Nationwide Bond No. ESO-183</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>7044' GL</b>	22. APPROXIMATE DATE WORK WILL START: <b>February 1, 2004</b>	23. ESTIMATED DURATION: <b>15 Days</b>	

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
24"	16" Conductor	40'	Redi Mix to surface
12-1/4"	9-5/8", 36#, J-55, STC	2,240'	515 sx Premium Lt, 2.24 yield, 12.0# + 190 sx Type III, 1.38 yield, 14.6#
8-3/4"	5-1/2", 17#, K55, LTC	6,100'	590 sx Premium Lt HS, 2.02 yield, 12.7#
<b>CONFIDENTIAL-TIGHT HOLE</b>			

25. ATTACHMENTS

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

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

AGENT: PermitCo Inc. 14421 County Road 10, Fort Lupton, CO 80621

AGENT'S PHONE NO.: 303-857-9999

NAME (PLEASE PRINT) **Lisa L. Smith**

TITLE **Agent for Tom Brown Inc.**

SIGNATURE *Lisa L. Smith*

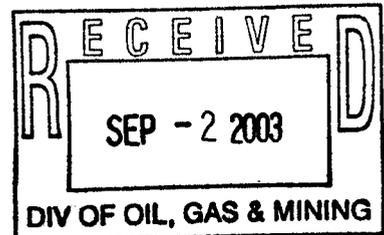
DATE **August 26, 2003**

(This space for State use only)

API NUMBER ASSIGNED: **43-037-31829**

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: **09-04-03**  
By: *[Signature]*

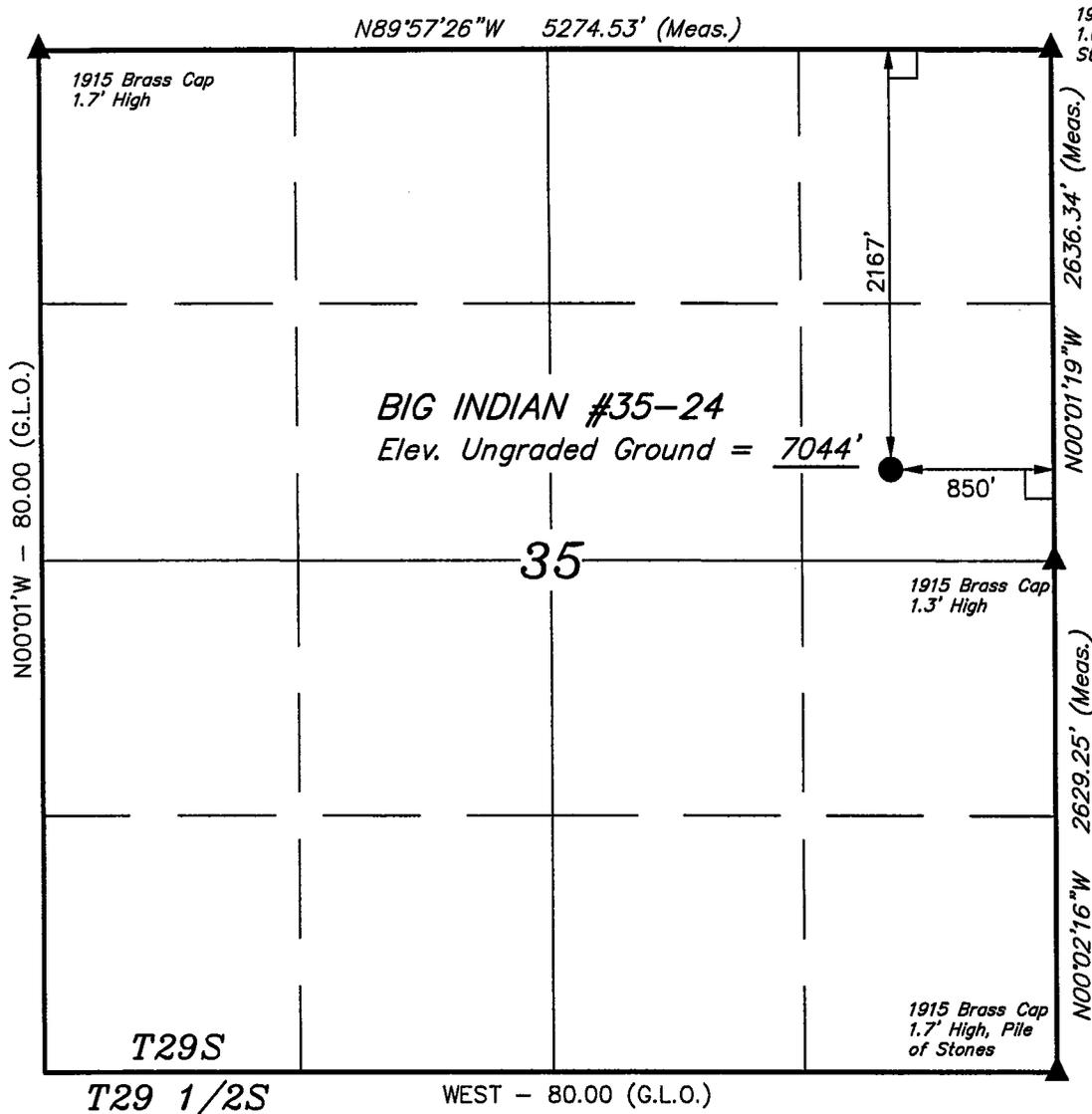


Federal Approval of this  
Action is Necessary

T29S, R24E, S.L.B.&M.

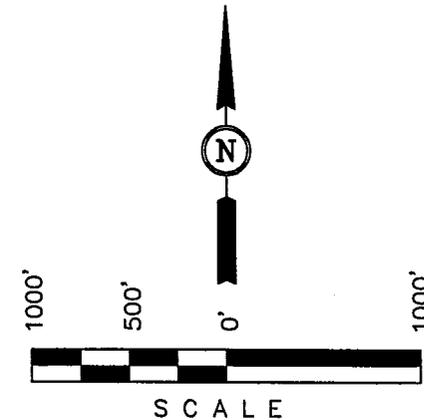
TOM BROWN INC.

Well location, BIG INDIAN #35-24, located as shown in the SE 1/4 NE 1/4 of Section 35, T29S, R24E, S.L.B.&M. San Juan County, Utah.



BASIS OF ELEVATION

BENCH MARK (LA SAL 7207) LOCATED NEAR 1/4 CORNER ON THE WEST LINE OF SECTION 34, T29S, R24E, S.L.B.&M. TAKEN FROM THE SANDSTONE DRAW QUADRANGLE, UTAH, SAN JUAN COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7207 FEET.



CERTIFICATE

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.

*John A. Key*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161349  
 STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.  
 (AUTONOMOUS NAD 83)  
 LATITUDE = 38°14'19.83" (38.238842)  
 LONGITUDE = 109°14'21.69" (109.239358)

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 07-24-03	DATE DRAWN: 07-31-03
PARTY J.F.      A.F.      D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE TOM BROWN INC.	

**CONFIDENTIAL - TIGHT HOLE**

**ONSHORE OIL & GAS ORDER NO. 1**

Approval of Operations on Onshore  
Federal and Indian Oil & Gas Leases

**Big Indian #35-24**  
2167' FNL and 850' FEL  
SE NE Section 35, T29S - R24E  
San Juan County, Utah

Prepared For:

**TOM BROWN, INC.**

By:

PERMITCO INC.  
14421 County Road 10  
Ft. Lupton, Colorado 80621  
303/857-9999

**CONFIDENTIAL - TIGHT HOLE**

**RECEIVED**  
**SEP 02 2003**  
DIV. OF OIL, GAS & MINING

Copies Sent To:

- 4 - BLM - Moab, UT
- 1 - Utah Division of Oil, Gas & Mining - SLC, UT
- 3 - Tom Brown, Inc. - Denver, CO
- 1 - Tom Brown, Inc. - Grand Junction
- 1 - Tom Brown, Inc. - Moab, Utah



## APPLICATION FOR PERMIT TO DRILL OR REENTER

### 24. Attachments

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

1. Well plat certified by a registered surveyor.  
**Attached.**
2. A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the Appropriate Forest Service Office.  
**See Surface Use Plan Attached.**
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20).  
**Bond coverage for this well is provided by Tom Brown Inc. under their BLM Bond No. Nationwide Bond No. ESO-183.**
5. Operator certification.  
**Please be advised that Tom Brown Inc. is considered to be the operator of the above mentioned well. Tom Brown Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.**
6. Such other site specific information and/or plans as may be required by the authorized officer.

## TABLE OF CONTENTS

Big Indian #35-24

### **DRILLING PROGRAM**

	<u>Page No.</u>
1. Formation Tops	1
2. Estimated Depth of Oil, Gas & Water	2
3. Blow Out Preventer (BOP) Requirements	2-4
4. Casing and Cementing Program	4-7
5. Mud Program	7
6. Testing, Logging and Coring	7-8
7. Anticipated Pressures & H <sub>2</sub> S Gas	9
8. Other Information & Notification Requirements	9-11

### **SURFACE USE PLAN**

1. Existing Roads	1
2. Planned Access Roads	2
3. Location of Wells Within 1-Mile	3
4. Proposed Production Facilities	3-4
5. Location and Type of Water Supply	4
6. Construction Materials	4-5
7. Methods of Handling Waste Disposal	5
8. Ancillary Facilities	5
9. Wellsite Layout	5-6
10. Plans for Restoration of Surface	6-7
11. Surface/Mineral Ownership	7
12. Other Information	7-8
13. Certification	9



Tom Brown, Inc.

**Big Indian #35-24**

Lease No. UTU-077077

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 1

**ONSHORE OIL & GAS ORDER NO. 1**  
**Approval of Operations on Onshore**  
**Federal and Indian Oil and Gas Leases**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

**1. ESTIMATED TOPS/ GEOLOGIC MARKERS**

The estimated tops of important geologic markers are as follows:

<i>Formation</i>	<i>Depth</i>	<i>Subsea</i>
Burro Canyon	Surface	
Entrada	315'	6,685'
Navajo	525'	6,475'
Kayenta	972'	6,028'
Wingate	1,102'	5,898'
Chinle	1,567'	5,433'
Cutler	2,128'	4,872'
Honaker Trail	3,170'	3,830'
Ismay	5,370'	1,630'
Paradox Salt	5,680'	1,320'
TD	6,100'	900'



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Lease No. UTU-077077

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 2

**2. ESTIMATED DEPTH OF OIL, GAS WATER AND OTHER MINERAL BEARING ZONES**

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Water	Entrada	315'
Water	Navajo	525'
Water	Kayenta	972'
Water	Wingate	1,102'
Water	Chinle	1,567'
Gas	Cutler	2,128'
Gas	Honaker Trail	3,170'
Gas	Ismay	5,370'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and will be cased and cemented. When possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to the BLM. All oil and gas shows will be tested to determine commercial potential.

**3. BLOWOUT PREVENTER (BOP) EQUIPMENT**

Tom Brown, Inc.'s minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double, 3000 psi w.p.

BOP systems will be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned. Ram preventers will be inspected and operated each trip (no more than once a day is necessary), and



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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**San Juan County, Utah

Page 3

annular preventers will be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded in the drilling log and in the daily drilling report.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

Pressure tests shall apply to all related well control equipment.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 3000 psi working pressure blowout preventor.



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**Big Indian #35-24**

Lease No. UTU-077077

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 4

- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

**4. CASING AND CEMENTING PROGRAM**

- a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.



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**Lease No. UTU-077077**

**Big Indian #35-24**

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 5

- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- m. The proposed casing program will be as follows:

<b>Purpose</b>	<b>Depth</b>	<b>Hole Size</b>	<b>O.D.</b>	<b>Weight</b>	<b>Grade</b>	<b>Type</b>	<b>New/Used</b>
Conductor	0' - 40'	24"	16"	---	---	---	---
Surface	0' - 2,240'	12 - 1/4"	9 - 5/8"	36#	J-55	ST&C	New
Production	0' - 6,100'	8 - 3/4"	5 - 1/2"	17#	K-55	LT&C	New



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Lease No. UTU-077077

**Big Indian #35-24**

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 6

- n. Casing design subject to revision based on geologic conditions encountered.
- o. The cement program will be as follows:

<b>Conductor</b>	<b>Type and Amount</b>
0 - 40'	Cement to Surface with Redi-Mix
<b>Surface</b>	<b>Type and Amount</b>
0 - 2,240'	Lead: 515 sx Premium Lt, 2.24 yield, 12.0# Tail: 190 sx Type III, 1.38 yield, 14.6#
<b>Production</b>	<b>Type and Amount</b>
2,500' - 6,100'	590 sx Premium Lt HS 2.02 yield, 12.7#

- p. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- q. The following reports shall be filed with the District Manager within 30 days after the work is completed.
  - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
    - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
    - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.



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Lease No. UTU-077077

**Big Indian #35-24**

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 7

r. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. No bit float is deemed necessary.
3. A sub with a full opening valve.

**5. MUD PROGRAM**

a. The proposed circulating mediums to be employed in drilling are as follows:

<i>Interval</i>	<i>Mud Type</i>	<i>Mud Wt.</i>	<i>Visc.</i>	<i>F/L</i>
0' - 2,240'	Water	+/-8.5	+/-28	N/C
2,240' - 2,600'	Water	+/-8.5	+/-28	N/C
2,600' - 6,100'	LSND	+/-9.0	+/-34	+/-10

Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected.

- b. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.
- c. Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing or completion operations.

**6. TESTING, LOGGING AND CORING**

The anticipated type and amount of testing, logging and coring are as follows:



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**Big Indian #35-24**

Lease No. UTU-077077

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 8

- a. No drill stem tests are anticipated. However, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a Platform Express from surface casing to TD.
- c. No cores are anticipated.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program is as follows:
- Perforate zones of interest and place on production.



**7. ANTICIPATED PRESSURES AND H<sub>2</sub>S**

- a. The expected maximum bottom hole pressure is 2623. No abnormal pressures are anticipated.
- b. Hydrogen sulfide gas is not anticipated, however, at the request of the BLM, an H<sub>2</sub>S Contingency Plan will be submitted under separate cover by a third party contractor.
- c. As per Onshore Order No. 6, III,A,2.b., if hydrogen sulfide is present the "operator shall initially test the H<sub>2</sub>S concentration of the gas stream for each well or production facility..." Submit the results of this test within 30 days of filing Form 3160-4, "Well Completion or Recompletion Report and Log".

**8. OTHER INFORMATION AND NOTIFICATION REQUIREMENTS**

- a. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- b. Production data shall be reported to the MMS pursuant to 30 CFR 216.5 using form MMS/3160.
- c. The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which gas is first measured through permanent metering facilities, whichever first occurs.
- d. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and



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Lease No. UTU-077077

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SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 10

approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

- e. Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.
- f. A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3 and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 and Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.
- g. Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."
- If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).
- h. Drilling operations are planned to commence on approximately February 1, 2004.
- i. It is anticipated that the drilling of this well will take approximately 15 days.



Tom Brown, Inc.

**Big Indian #35-24****Lease No. UTU-077077**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 11

- j. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- k. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- l. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- m. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- n. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative. or the appropriate Surface Managing Agency.



**ONSHORE OIL & GAS ORDER NO. 1**  
**Thirteen Point Surface Use Plan**

An onsite inspection of the subject well was conducted on Tuesday, August 5, 2003 at approximately 2:25 p.m. Weather conditions were sunny, hot and breezy. In attendance at the onsite inspection were the following individuals:

Rich McClure	Bureau of Land Management
Rick Costanza	Tom Brown, Inc.
Lisa Smith	Permitco Inc.
Mike Shumway	K-Sue Corporation
Lesha Cordova	Utah Division of Oil, Gas & Mining
Tony Wright	Utah Division of Wildlife Resources

**1. EXISTING ROADS**

- a. The proposed well site is located approximately 36.3 miles southeast of Moab, Utah.
- b. Directions to the location from Moab, Utah are as follows:

From, Moab, Utah proceed south on Highway 191 for 21.7 miles to LaSal Junction. Turn left on Highway 45 and proceed easterly for 8.8 miles to County Road 115 (Copper Mill Road). Turn right and proceed south for 4.3 miles. Turn left onto County Road 1121 and proceed southeasterly for 1.4 miles. Turn left onto the new access road and proceed north for 0.1 miles to the edge of the well pad.
- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to the existing access will not be necessary since all roads are maintained by the San Juan County Road Department.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.



Tom Brown, Inc.

**Big Indian #35-24**

Lease No. UTU-077077

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**SURFACE USE PLAN**

San Juan County, Utah

Page 2

**2. PLANNED ACCESS ROADS**

- a. There will be approximately 0.1 miles of new access road.
- b. The new access will be flat bladed initially for drilling purposes to a maximum width of 21 feet. If production is established the running surface of the road will be 15 to 21 feet with a maximum disturbed width of 35 feet.
- c. The maximum grade of the new access will be approximately 7%.
- d. No turnouts will be necessary.
- e. An 18" culvert will be installed on the new access road prior to reaching the pad. No low water crossings will be necessary.
- f. The new access road was centerline flagged at the time of staking.
- g. Surfacing of the pad and new access may be necessary, depending on the weather conditions at the time of drilling.
- h. A cattle guard will be installed on County Road 1121 at the intersection of County Road 115. Installation of the cattle guard will be done by the San Juan County Road Department.
- i. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved by the Field Manager in advance.
- j. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations determined by the authorized officer.
- k. Road right of way to this well was previously requested under SF-299 to obtain access to the Big Indian #36-42 located on State Lands.



Tom Brown, Inc.

**Big Indian #35-24**

Lease No. UTU-077077

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**SURFACE USE PLAN**

San Juan County, Utah

Page 3

3. **LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION.**  
**SEE MAP "C"**

- a. Water wells - none
- b. Injection wells - none
- c. Producing wells - none
- d. Drilling wells - none
- e. Shut In wells - none
- f. Abandoned wells - three

4. **PROPOSED PRODUCTION FACILITIES**

- a. Production facilities will be located on the well pad. A Production Facilities Layout is attached.
- b. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will match the adjacent vegetation. The actual color will be specified by the Bureau of Land Management.
- c. All site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 shall be followed:
- d. If a gas meter run is constructed, it will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provision of 43 CFR 3162.7-3, Onshore Order No. 5 and American Gas Association (AGA) Report No. 3.



Tom Brown, Inc.

**Big Indian #35-24**

Lease No. UTU-077077

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**SURFACE USE PLAN**

San Juan County, Utah

Page 4

- e. The tank battery will be surrounded by a berm of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4.
- f. Production facilities on location may include a lined or unlined produced water pit as specified in Onshore Order No. 7. If water is produced from the well, an Onshore Order No. 7 application must be submitted.
- g. Any necessary pits will be properly fenced to prevent any wildlife entry.
- h. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the Authorized Officer.
- i. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- j. The road will be maintained in a safe useable condition.

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

- a. All water needed for drilling purposes will be obtained from a pond at the Rattlesnake Ranch near Coyote Wash.
- b. Water will be hauled to location over the roads marked on Maps A and B.
- c. No water well is to be drilled on this lease.
- d. This water source is permitted under Permit No. 05-570.

**6. CONSTRUCTION MATERIALS**

- a. Pad construction material will be native (that found in the well pad).
- b. Native material found in the pad may also be used for road upgrading.



- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.
- d. No construction materials will be removed from Federal land.

**7. METHODS OF HANDLING WASTE DISPOSAL**

- a. All fluids contained within the reserve pit will be allowed to evaporate and the pit will be backfilled. The reserve pit will not be lined.
- b. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight. Trash will be hauled as necessary, but not later than at the completion of drilling operations.
- c. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- d. Sewage will be placed in a portable chemical toilet or holding tank and disposed of in accordance with state and county regulations.
- e. The produced fluids (other than water) will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

**8. ANCILLARY FACILITIES**

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

**9. WELLSITE LAYOUT**

- a. See Location Layout (Figure #1) and Typical Cross Sections (Figure #2) for orientation of rig, cross section of drill pad and cuts and fills.



Tom Brown, Inc.

Lease No. UTU-077077

**Big Indian #35-24**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

San Juan County, Utah

**SURFACE USE PLAN**

Page 6

- b. The existing fence line (as shown on Location Layout-Figure #1) located on the east side of the well pad (near corner 2) will be temporarily taken down during construction. The fence will be replaced around the fill slope of the location. Once production is established and the well pad has been partially reclaimed, the fence line will be straightened back to its original alignment.
- c. Six inches of topsoil (or the maximum available) will be salvaged during construction and reserved for use in reclamation.
- d. Sage brush will be stockpiled separately from the topsoil as shown on the Location Layout (Figure #1).
- e. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6
- f. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Typical Rig Layout (Figure #3).
- g. A flare pit will be located a minimum of 30 feet from the edge of the reserve pit and a minimum of 150 feet from the well head.
- h. Any pits containing fluid will be fenced to prevent wildlife entry.

#### 10. PLANS FOR RESTORATION OF SURFACE

- a. Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.
- b. The cuttings pit will be allowed to dry and will then be backfilled.
- c. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- d. Seeding will be done in the fall as required by the BLM. The suggested seed mixture is as follows:



Tom Brown, Inc.

Lease No. UTU-077077

**Big Indian #35-24**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**SURFACE USE PLAN**

San Juan County, Utah

<i>Species</i>	<i>#'s PLS/Acre</i>
Crested wheatgrass	10
Four-wing saltbush	4
<b>TOTAL</b>	<b>14</b>

- e. The abandonment marker will be at least four feet above ground level and will be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).
- f. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment.

**11. SURFACE/MINERAL OWNERSHIP**

**Access Roads** - All roads are County maintained or are located on lands managed by the BLM.

**Well pad** - The well pad is located on lands managed by the BLM.

**12. OTHER INFORMATION**

- a. A Class III archeological survey will be conducted by Four Corners Archeological. A copy of this report will be submitted to the appropriate agencies by Four Corners Archeological.
- b. The operator is responsible for informing all persons in the areas 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, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;



Tom Brown, Inc.

**Big Indian #35-24****Lease No. UTU-077077**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**SURFACE USE PLAN**

San Juan County, Utah

Page 8

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- c. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- d. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- e. There will be no deviation from the proposed drilling and/or work over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.h.
- f. "Sundry Notice and Report on Wells" (From 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- g. This permit will be valid for a period of one year from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period.
- h. The operator or his contractor shall contact the BLM Offices at 435/259-6111 48 hours prior to construction activities.



ONSHORE ORDER NO. 1

Tom Brown, Inc.

**Big Indian #35-24**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

San Juan County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-077077

SURFACE USE PLAN

Page 9

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

Permit Matters

**PERMITCO INC.**

Lisa L. Smith

14421 County Road 10

Ft. Lupton, CO 80621

303/857-9999 (Office)

303/857-0577 (Fax)

Drilling & Completion Matters

**TOM BROWN, INC.**

555-17th Street, Suite 1850

Denver, CO 80202

Dave Petrie - Regulatory

303/260-5000 (Office)

303/260-5007 (Fax)

303/ 205-9896 (Home) Greg Olson

303/324-9391 (Cell)

CERTIFICATION

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, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Tom Brown, Inc. and their 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.

August 26, 2003

Date:



Lisa L. Smith - PERMITCO INC.

Authorized Agent for:

Tom Brown, Inc.



## ARCHEOLOGY

A Class III Archeological Survey will be conducted by Four Corners Archeological. A copy of the report will be submitted directly to the appropriate agencies by Four Corners Archeological.



PIPELINE INFORMATION  
*Big Indian #35-24*

1. The type of pipeline is a gathering system.
2. The outside diameters (O.D.) of all pipe sizes is 4".
3. The anticipated production through the line (MCF per day) is 5000 MCF.
4. The anticipated maximum test pressure is 1000 psi.
5. The anticipated operating pressure is 450 psi.
6. The type of pipe is steel.
7. The method of coupling is welded.
8. There are no other pipelines to be associated in the same trench.
9. There are no other objects to be associated in the same trench.
10. The total length of pipeline is approximately 400 feet.
11. The line will be laid on the surface and will only be buried under roadways or other pipeline crossings.
12. Any sections of pipeline that are buried will be buried a minimum of 3 feet below the surface. The width of the trench will be 24 inches.
13. The method of entrenchment will be with a back hoe.
14. The construction width needed for total surface disturbing activities is 30 feet.
15. The estimate of total acreage involving all surface disturbing activities is 0.28 acres.
16. There will be shut in valves on each end of the line.
17. The pipeline will be reclaimed utilizing the reclamation procedures and seed mixture specified by the surface owner or the Bureau of Land Management.



**TOM BROWN, INC.**  
**BIG INDIAN #35-24**  
 LOCATED IN SAN JUAN COUNTY, UTAH  
 SECTION 35, T29S, R24E, S.L.B.&M.

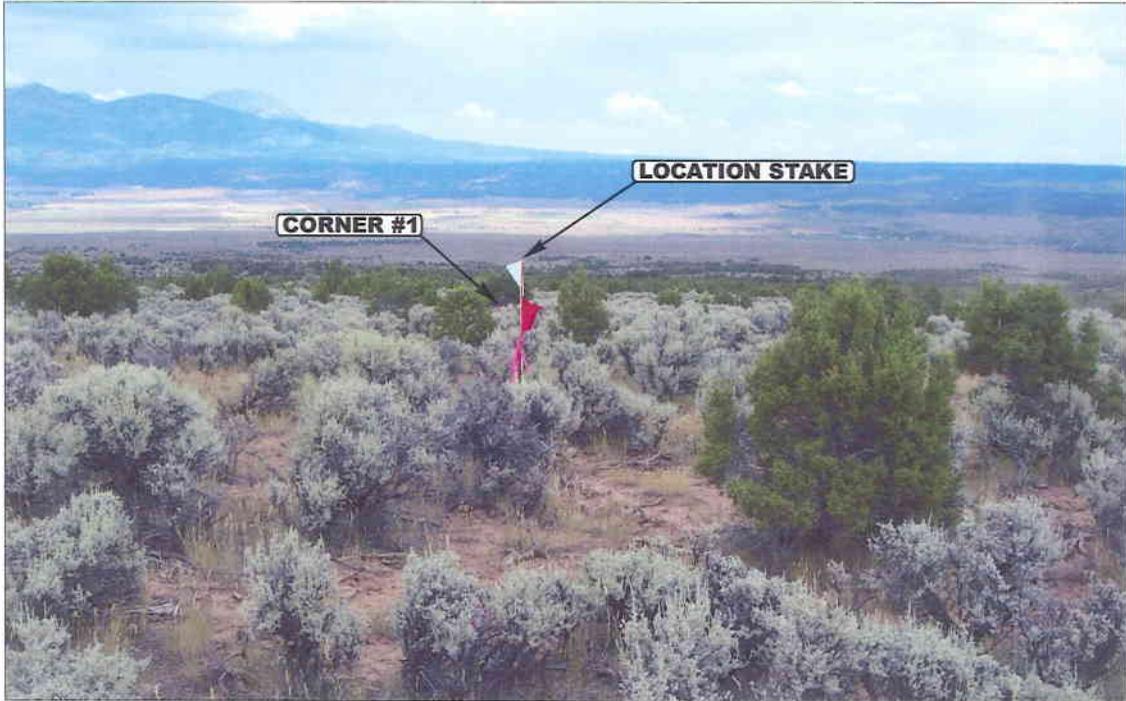


PHOTO: VIEW FROM LOCATION STAKE TO CORNER #1

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY

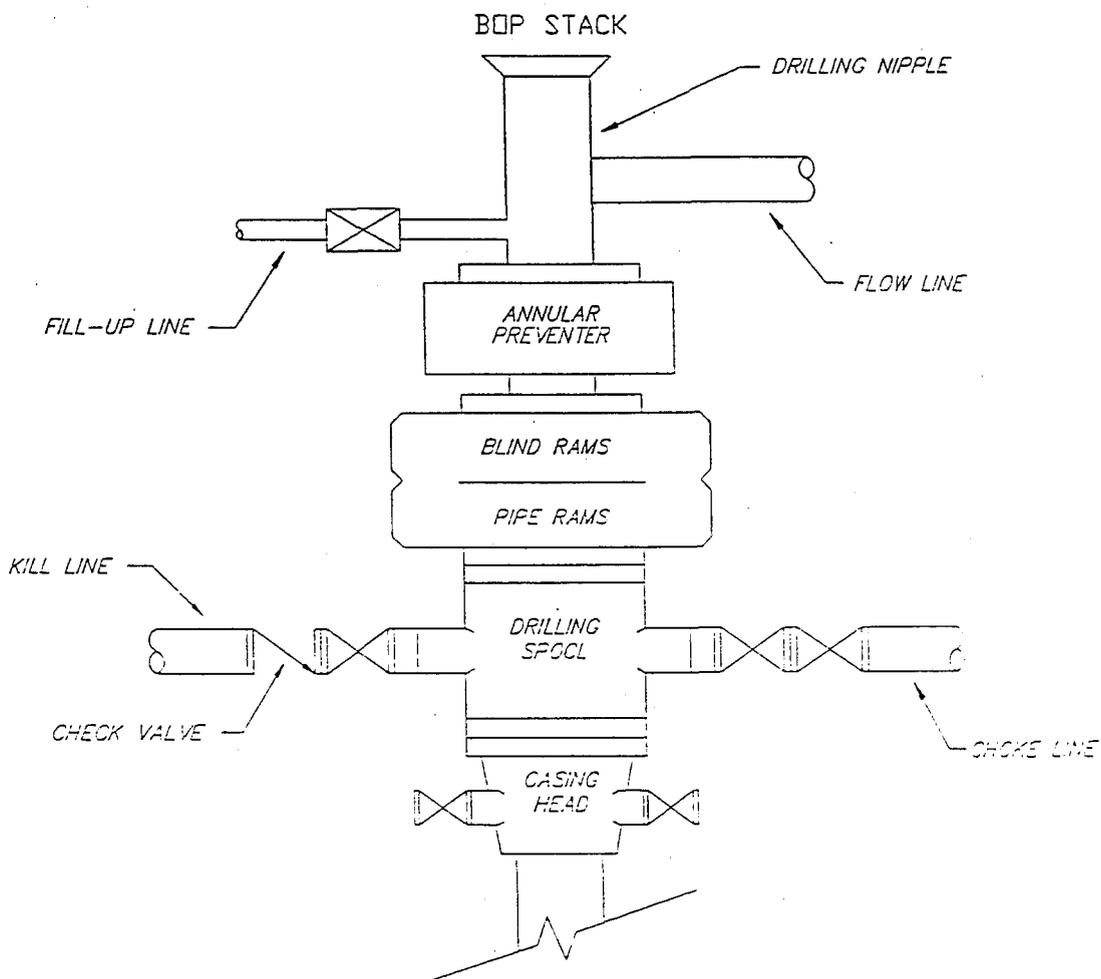


- Since 1964 -

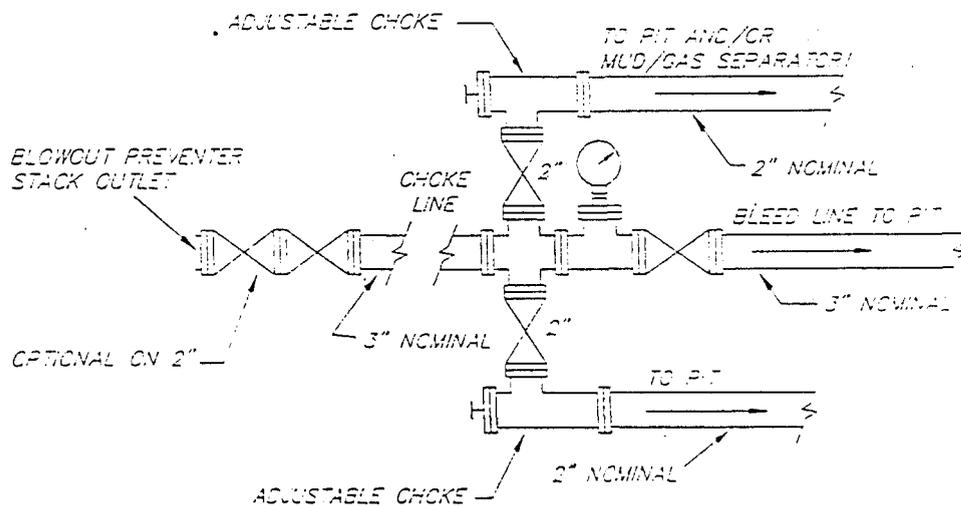
**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 435-789-1017 uels@uelsinc.com

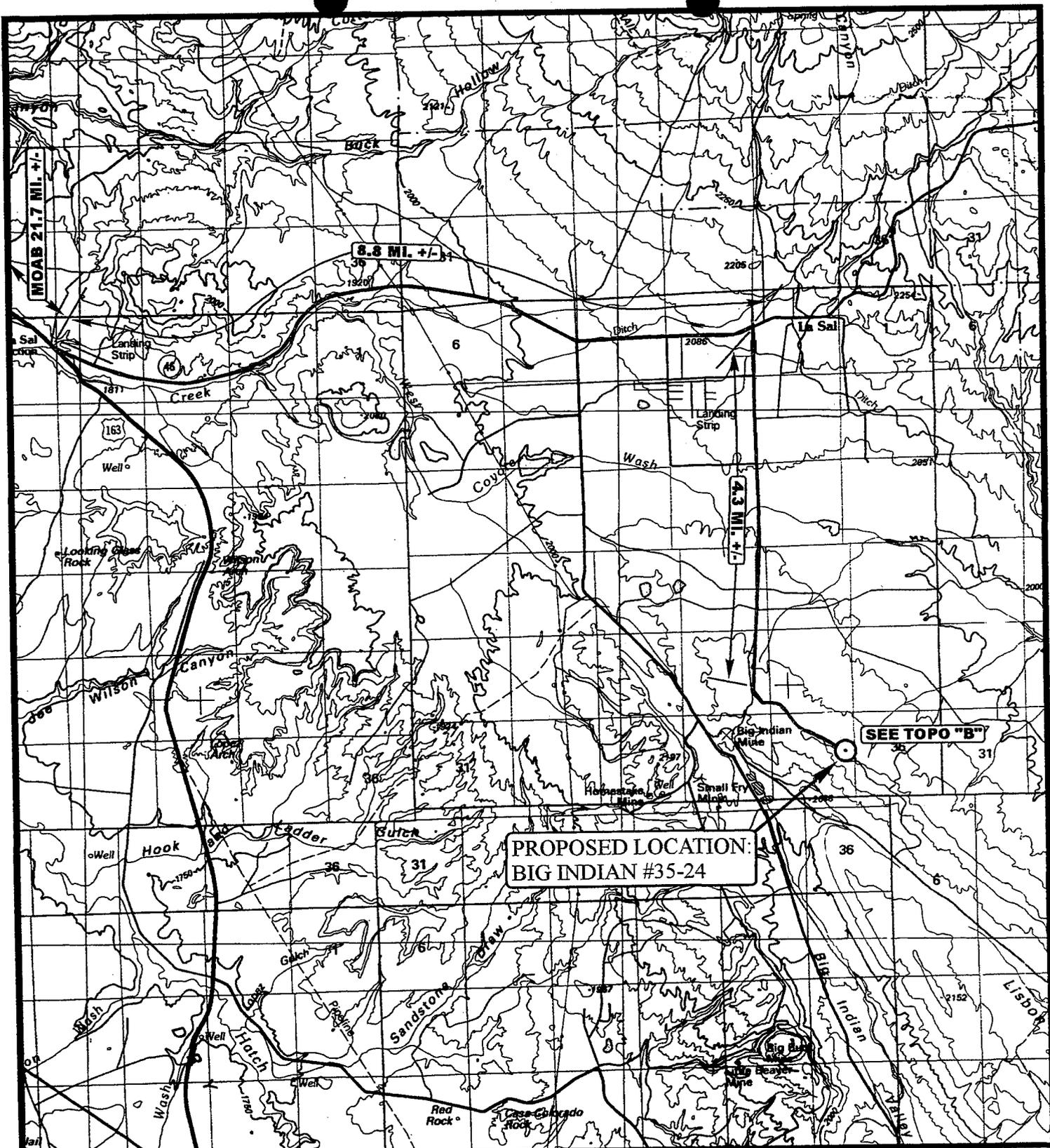
<b>LOCATION PHOTOS</b>			<b>7</b>	<b>30</b>	<b>03</b>	<b>PHOTO</b>
			MONTH	DAY	YEAR	
TAKEN BY: J.F.	DRAWN BY: J.L.G.	REVISED: 00-00-00				

TYPICAL 3,000 p.s.i.  
BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i.  
CHOKER MANIFOLD SCHEMATIC





**PROPOSED LOCATION:  
BIG INDIAN #35-24**

**SEE TOPO "B"**

**LEGEND:**

○ PROPOSED LOCATION

**TOM BROWN INC.**

**BIG INDIAN #35-24  
SECTION 35, T29S, R24E, S.L.B.&M.  
2167' FNL 850' FEL**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

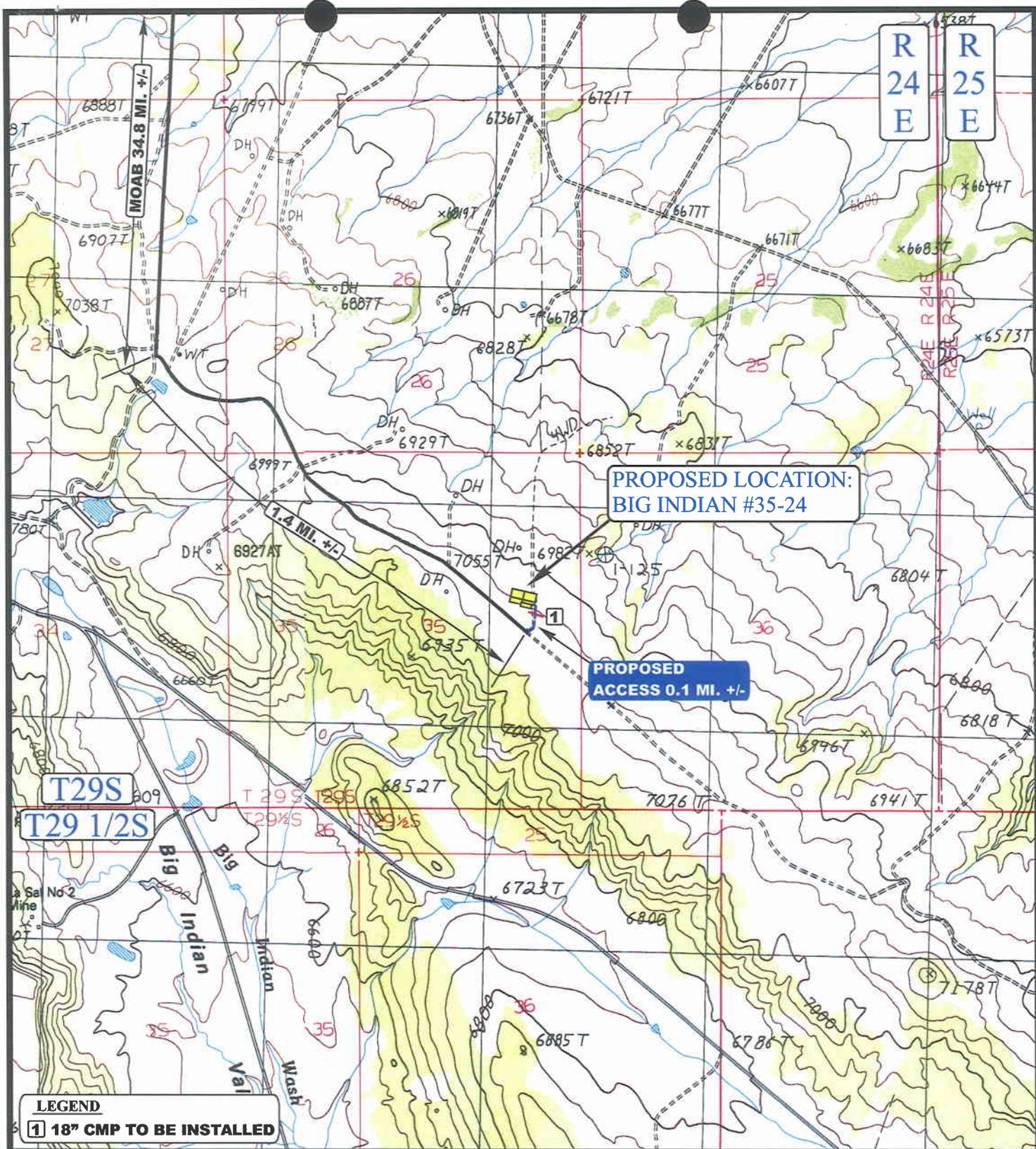


**TOPOGRAPHIC  
MAP**

**7 30 03**  
MONTH DAY YEAR

**SCALE: 1:100,000 | DRAWN BY: JLG | REVISED: 00-00-00**

**A  
TOPO**



**LEGEND**  
**1** 18" CMP TO BE INSTALLED

**LEGEND:**  
 - - - - - PROPOSED ACCESS ROAD  
 ———— EXISTING ROAD

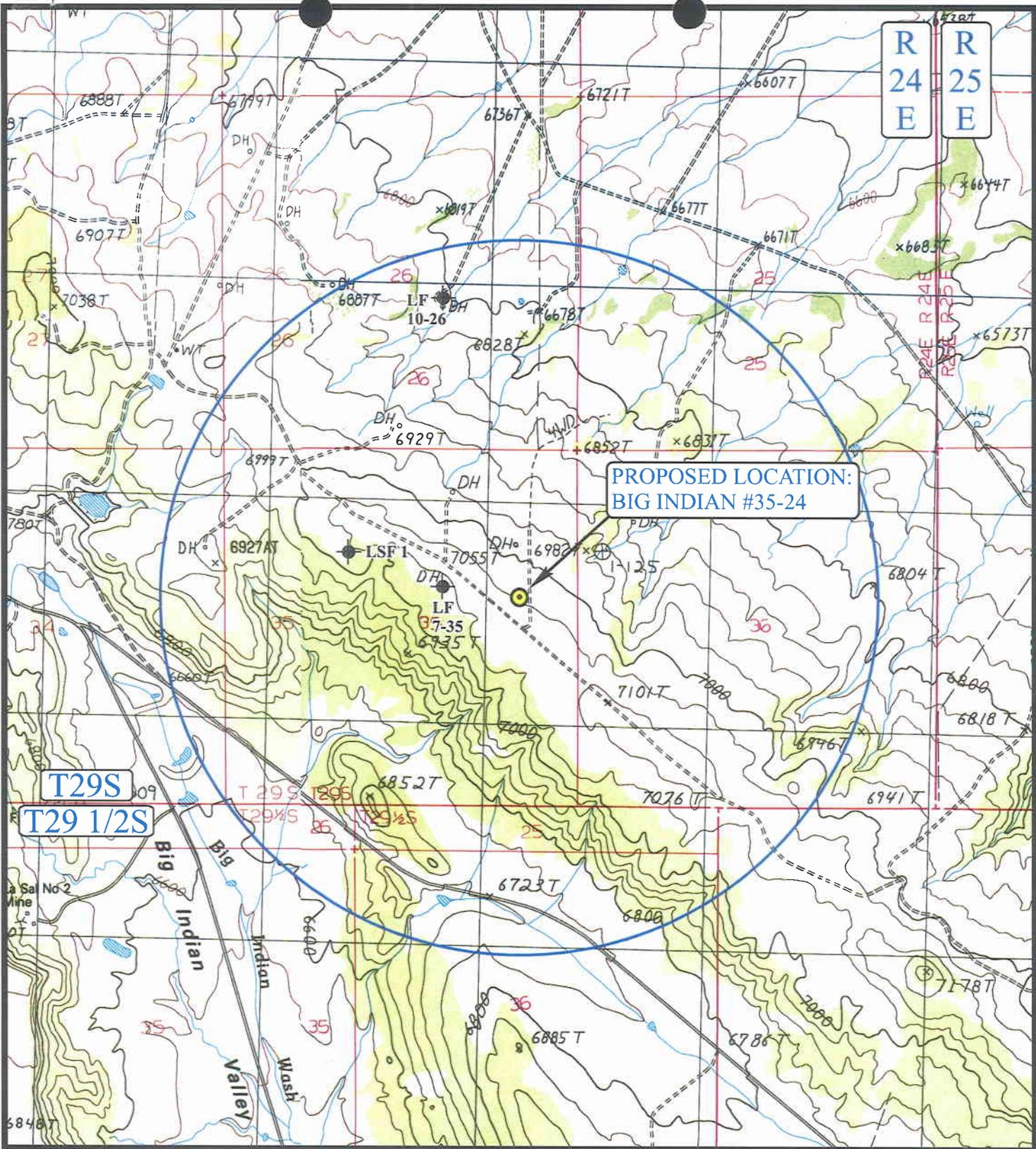
**TOM BROWN INC.**  
**BIG INDIAN #35-24**  
**SECTION 35, T29S, R24E, S.L.B.&M.**  
**2167' FNL 850' FEL**



**UEIS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** **7 30 03**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 8-15-03





**PROPOSED LOCATION:  
BIG INDIAN #35-24**

**T29S  
T29 1/2S**

**R  
24  
E**     **R  
25  
E**

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- ⊖ TEMPORARILY ABANDONED



**TOM BROWN INC.**

**BIG INDIAN #35-24  
SECTION 35, T29S, R24E, S.L.B.&M.  
2167' FNL 850' FEL**



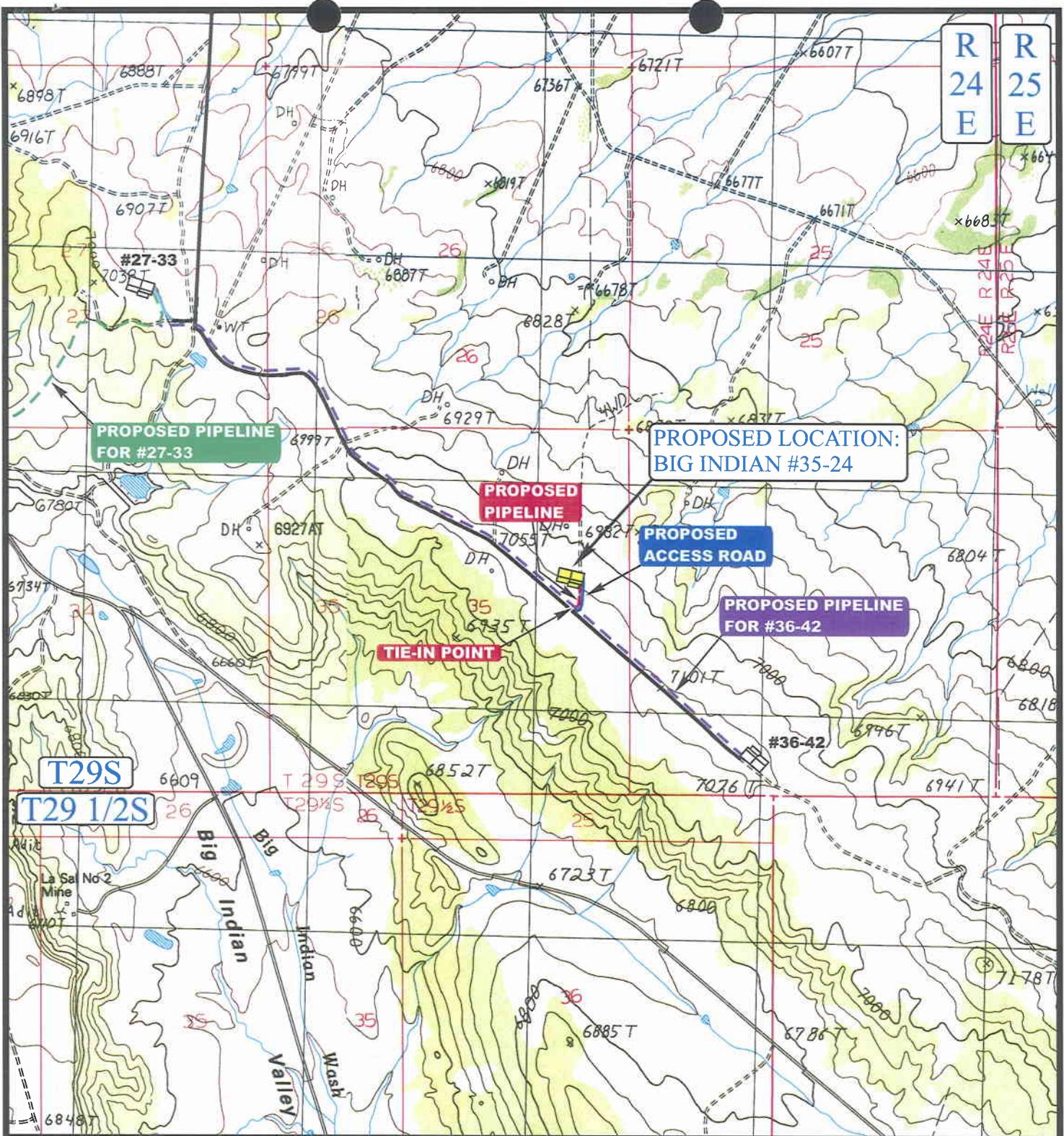
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**7 30 03**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





**APPROXIMATE TOTAL PIPELINE DISTANCE = 400' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS



**TOM BROWN INC.**

**BIG INDIAN #35-24**  
**SECTION 36, T29S, R24E, S.L.B.&M.**  
**2167' FNL 850' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**7 30 03**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

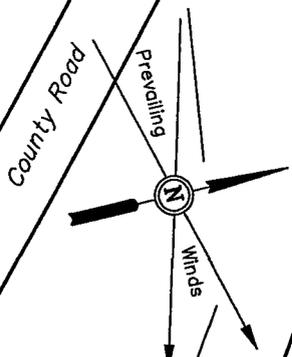


TOM BROWN INC.

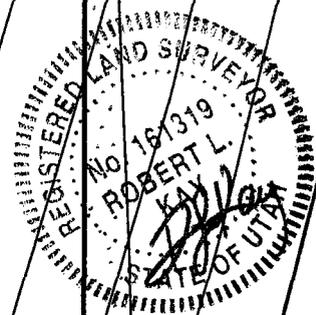
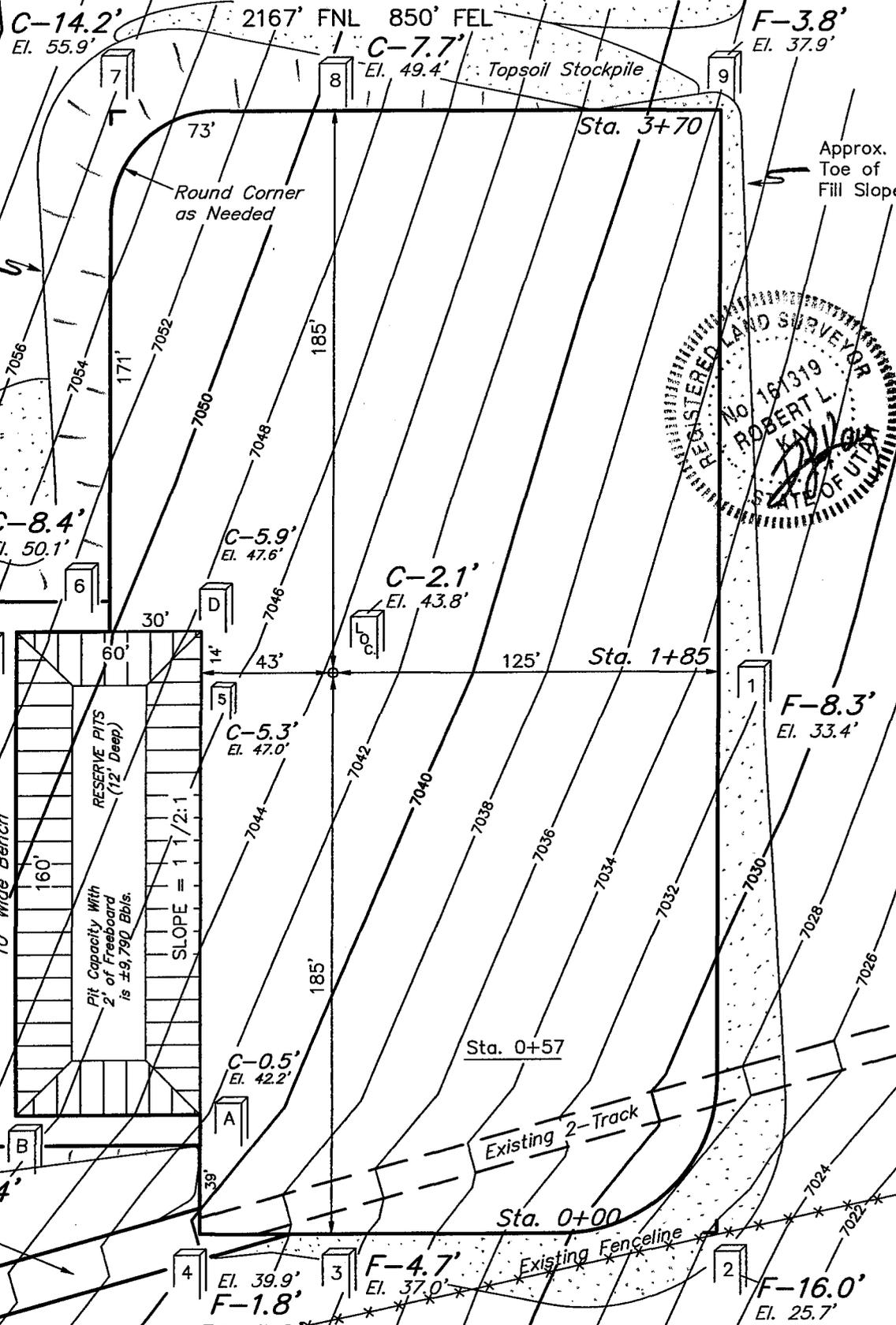
FIGURE #1

LOCATION LAYOUT FOR

BIG INDIAN #35-24  
SECTION 35, T29S, R24E, S.L.B.&M. Brush Stockpile  
2167' FNL 850' FEL



SCALE: 1" = 50'  
DATE: 07-31-03  
Drawn By: D.R.B.  
Rev.: 08-20-03 D.R.B.  
NOTE: Flare Pit is to be located a min. of 150' from the Well Head & 30' From Reserve Pit.



Elev. Ungraded Ground at Location Stake = 7043.8'  
Elev. Graded Ground at Location Stake = 7041.7'

**TOM BROWN INC.**

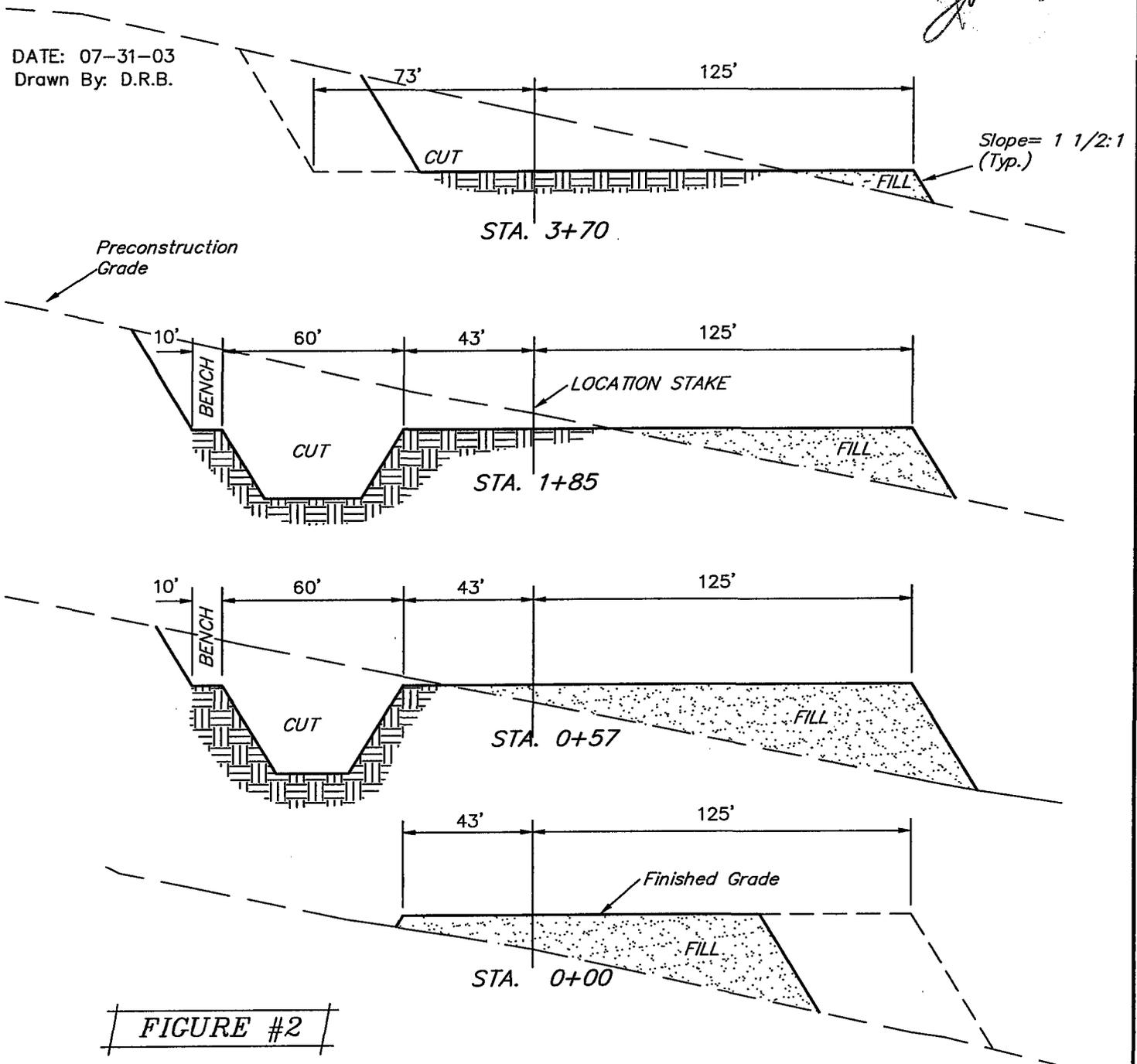
**TYPICAL CROSS SECTIONS FOR**

**BIG INDIAN #35-24  
SECTION 35, T29S, R24E, S.L.B.&M.  
2167' FNL 850' FEL**

1" = 20'  
X-Section  
Scale  
1" = 50'

*[Handwritten Signature]*

DATE: 07-31-03  
Drawn By: D.R.B.



**FIGURE #2**

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	= 1,470 Cu. Yds.
Remaining Location	= 11,590 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 13,060 CU.YDS.</b>
<b>FILL</b>	<b>= 9,730 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,820 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,820 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

TOM BROWN INC.  
 TYPICAL RIG LAYOUT FOR

BIG INDIAN #35-24  
 SECTION 35, T29S, R24E, S.L.B.&M.  
 2167' FNL 850' FEL



SCALE: 1" = 50'  
 DATE: 07-31-03  
 Drawn By: D.R.B.  
 Rev.: 08-20-03 D.R.B.

**NOTE:**

Flare Pit is to be located a min. of 150' from the Well Head & 30' From Reserve Pit.

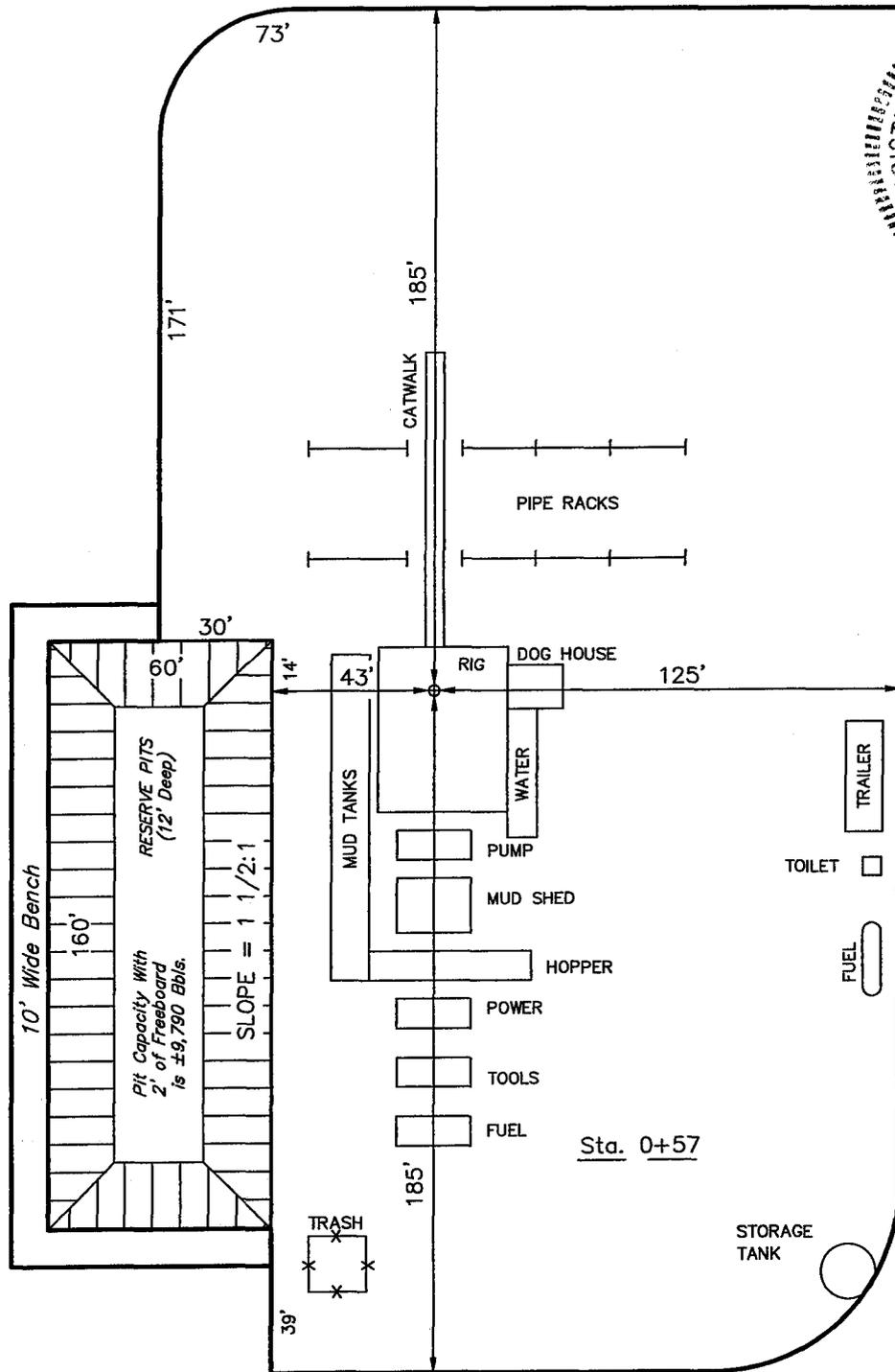
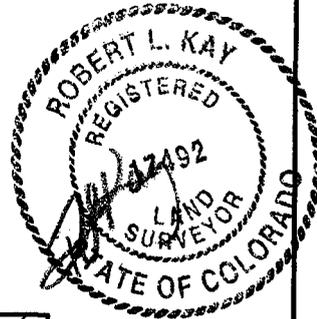


FIGURE #3

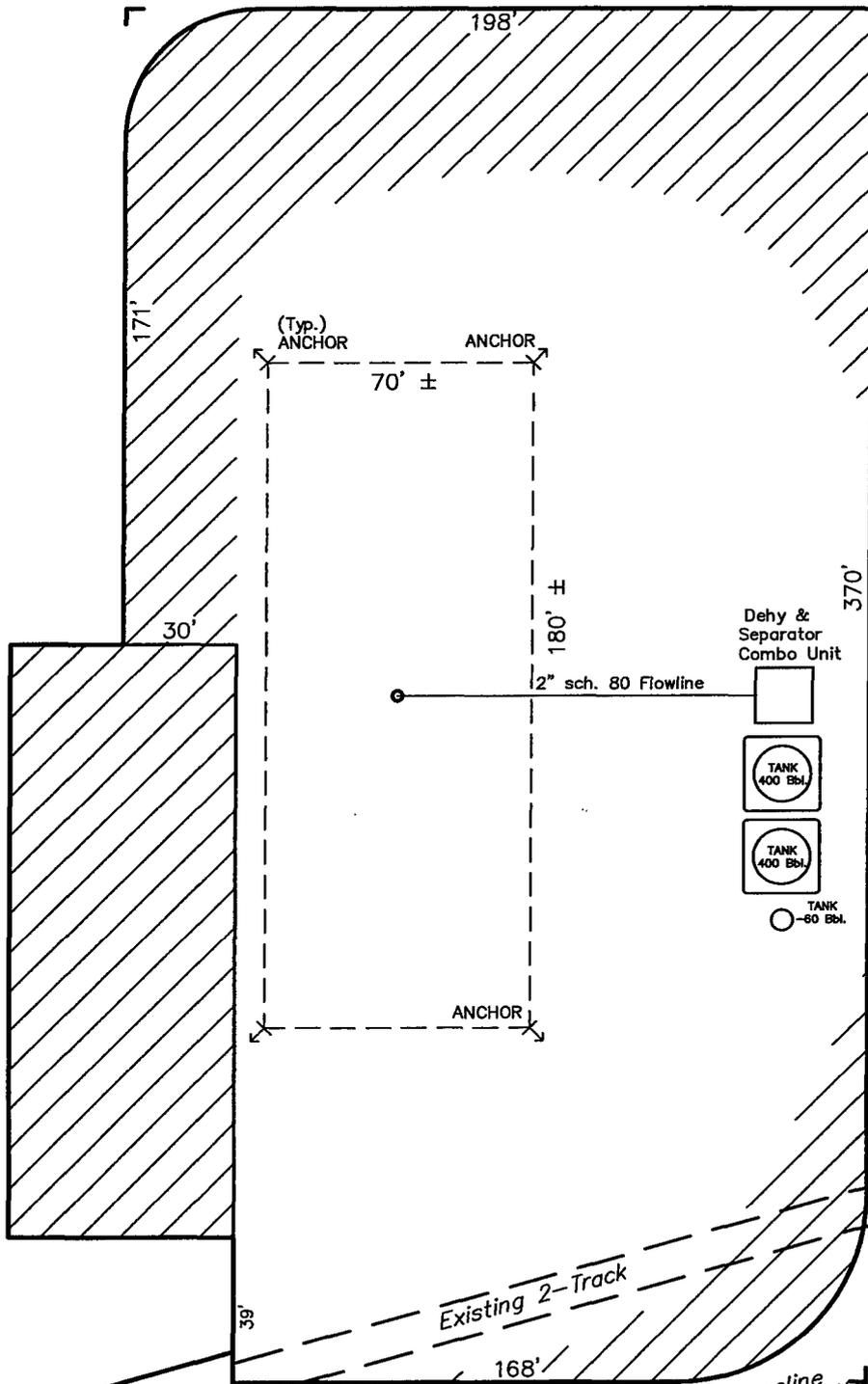
County Road



**TOM BROWN INC.**  
**PRODUCTION FACILITIES LAYOUT FOR**  
BIG INDIAN #35-24  
SECTION 35, T29S, R24E, S.L.B.&M.  
2167' FNL 850' FEL



SCALE: 1" = 50'  
DATE: 08-08-03  
Drawn By: D.R.B.



Proposed Access Road

= REHAB AREA

**FEDERAL STIPULATIONS**

Any timing restrictions imposed by the Bureau of Land Management for this drill site will be stipulated as a Condition of Approval.





WORKSHEET

APPLICATION FOR PERMIT TO DRILL

003

APD RECEIVED: 09/02/2003

API NO. ASSIGNED: 43-037-31829

WELL NAME: BIG INDIAN 35-24

OPERATOR: TOM BROWN INC ( N9885 )

CONTACT: LISA SMITH

PHONE NUMBER: 303-857-9999

PROPOSED LOCATION:

SENE 35 290S 240E  
SURFACE: 2167 FNL 0850 FEL  
BOTTOM: 2167 FNL 0850 FEL  
SAN JUAN  
WILDCAT ( 1 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-077077

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: ISMY

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 38.23877

LONGITUDE: 109.23884

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESO-183 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 05-570 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

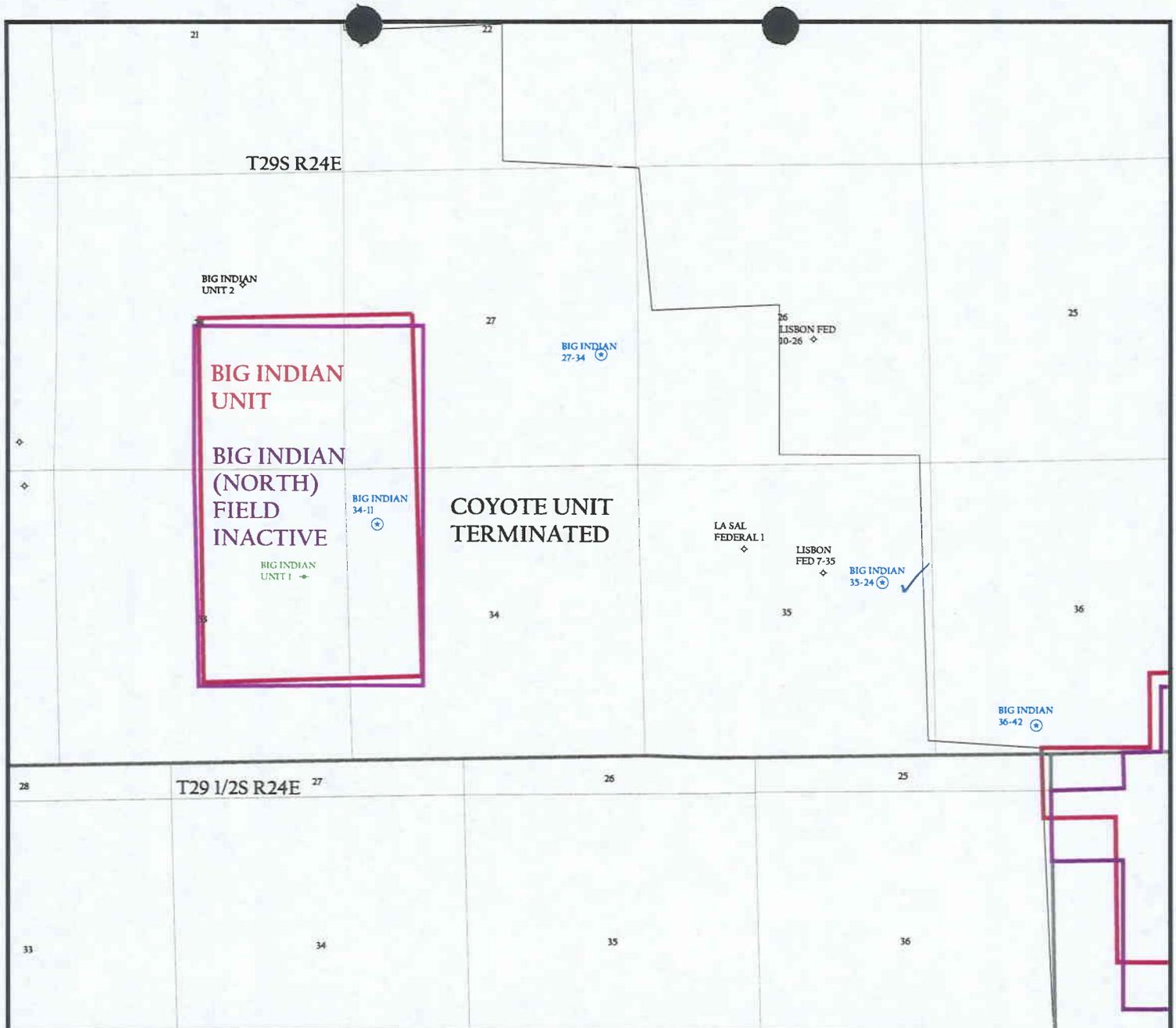
LOCATION AND SITING:

- \_\_\_ 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:

STIPULATIONS:

1- Federal Approval  
2 Spacing Stip



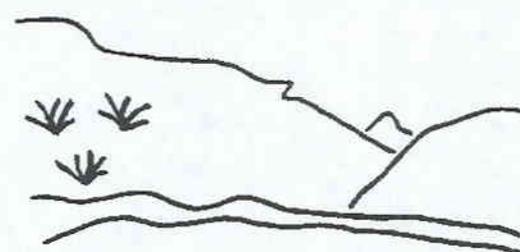
OPERATOR: TOM BROWN INC (N9885)

SEC. 35 T.29S, R.24E

FIELD: WILDCAT (001)

COUNTY: SAN JUAN

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

**Wells**

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

**Unit Status**

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

**Field Status**

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



PREPARED BY: DIANA MASON  
DATE: 04-SEPTEMBER-2003



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

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

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

September 4, 2003

Tom Brown, Inc.  
555-17th Street, Suite 1850  
Denver, CO 80202

Re: Big Indian 35-24 Well, 2167' FNL, 850' FEL, SE NE, Sec. 35, T. 29 South, R. 24 East,  
San Juan 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 43-037-31829.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

cc: San Juan County Assessor  
Bureau of Land Management, Moab District Office

Operator: Tom Brown, Inc.  
Well Name & Number Big Indian 35-24  
API Number: 43-037-31829  
Lease: UTU-077077

Location: SE NE                      Sec. 35                      T. 29 South                      R. 24 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

5. 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.

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

006

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		6. Lease Designation and Serial Number <b>UTU-077077</b>
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		7. Indian Allottee or Tribe Name <b>N/A</b>
		8. Unit or Communitization Agreement <b>N/A</b>
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number <b>Big Indian #35-24</b>
2. Name of Operator <b>Tom Brown, Inc.</b>		10. API Well Number
3. Address of Operator <b>555 - 17th Street, Suite 1850, Denver, CO 80202</b>	4. Telephone Number <b>303/260-5000</b>	11. Field and Pool, or Wildcat <b>Big Indian</b>
5. Location of Well Footage : <b>2167' FNL and 850' FEL</b> County : <b>San Juan</b> QQ, Sec, T., R., M. : <b>SE NE, Sec. 35, T29S - R24E</b> State : <b>Utah</b>		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p align="center"><b>NOTICE OF INTENT</b> (Submit in Duplicate)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <b>Revise Casing and Cementing Programs</b></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <b>Revise Casing and Cementing Programs</b>		<p align="center"><b>SUBSEQUENT REPORT</b> (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. 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 depths for all markers and zones pertinent to this work.)

**Please note that the casing and cementing programs for this well have been modified. Attached please find the revised copies of pages 5, 6, and 7 of the Drilling Program.**

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

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

Name & Signature *Sean Smell* Title Consultant for Tom Brown, Inc. Date 10/08/03

(State Use Only)

Tom Brown, Inc.

Lease No. UTU-077077

**Big Indian #35-24**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 5

- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- m. The proposed casing program will be as follows:

<i><b>Purpose</b></i>	<i><b>Depth</b></i>	<i><b>Hole Size</b></i>	<i><b>O.D.</b></i>	<i><b>Weight</b></i>	<i><b>Grade</b></i>	<i><b>Type</b></i>	<i><b>New/Used</b></i>
Conductor	0' - 40'	24"	16"	---	---	---	---
Surface	0' - 1600'	12 - 1/4"	9 - 5/8"	36#	J-55	ST&C	New
Production	0' - 6,100'	8 - 3/4"	5 - 1/2"	17#	K-55	LT&C	New

Revised 10-2-03



Tom Brown, Inc.

Lease No. UTU-077077

**Big Indian #35-24**

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

Page 6

- n. Casing design subject to revision based on geologic conditions encountered.
- o. The cement program will be as follows:

<b>Conductor</b>	<b>Type and Amount</b>
0 - 40'	Cement to Surface with Redi-Mix
<b>Surface</b>	<b>Type and Amount</b>
0 - 1600'	Lead: 340 sx Premium Lt, 2.24 yield, 12.0# Tail: 180 sx Type III, 1.38 yield, 14.6#
<b>Production</b>	<b>Type and Amount</b>
1700' - 6,100'	800 sx 50/50/4 G, 1.82 yld, 12.5#

- p. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- q. The following reports shall be filed with the District Manager within 30 days after the work is completed.
  - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
    - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
    - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.

Revised 10-2-03



Tom Brown, Inc.

**Big Indian #35-24**

Lease No. UTU-077077

2167' FNL and 850' FEL

SE NE Section 35, T29S - R24E

**DRILLING PROGRAM**

San Juan County, Utah

r. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. No bit float is deemed necessary.
3. A sub with a full opening valve.

**5. MUD PROGRAM**

a. The proposed circulating mediums to be employed in drilling are as follows:

<i>Interval</i>	<i>Mud Type</i>	<i>Mud Wt.</i>	<i>Visc.</i>	<i>F/L</i>
0' - 1,600'	Water	+/-8.5	+/-28	N/C
1,600-2,100'	Water	+/-8.5	+/-28	N/C
2,100' - 6,100'	LSND	+/-9.0	+/-34	+/-10

Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected.

- b. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.
- c. Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing or completion operations.

**6. TESTING, LOGGING AND CORING**

The anticipated type and amount of testing, logging and coring are as follows:

Revised 10-2-03



RECEIVED

NOV 12 2003

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

UNITED STATES  
DEPARTMENT OF THE INTERIOR DIV. OF OIL, GAS & MINING  
BUREAU OF LAND MANAGEMENT

5. Lease Serial No. **UTU-077077**

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

7. If Unit or CA Agreement, Name and No. **N/A**

8. Lease Name and Well No. **Big Indian #35-24**

9. API Well No. **43-037-31829**

10. Field and Pool, or Exploratory **Big Indian**

11. Sec., T., R., M., or Blk, and Survey or Area **Sec. 35, T29S-R24E**

12. County or Parish **San Juan**

13. State **UT**

005

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator **303/260-5000 555 - 17th Street, Suite 1850**  
**Tom Brown Inc. Denver, CO 80202**

3. Name of Agent **303-857-9999 14421 County Road 10**  
**PermitCo Inc. - Agent Fort Lupton, CO 80621**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface **2167' FNL and 850' FEL**

At proposed prod. zone **SE NE**

14. Distance in miles and direction from nearest town or post office\*

**Approximately 37 miles southeast of Moab, UT**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **850'**

16. No. of Acres in lease **800**

17. Spacing Unit dedicated to this well **40 Acres**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **None**

19. Proposed Depth **6,100'**

20. BLM/BIA Bond No. on file **Nationwide Bond No. ESO-183**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **7044' GL**

22. Approximate date work will start\* **February 1, 2004**

23. Estimated duration **15 Days**

24. Attachments

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

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, SUPO shall be filed with the appropriate Forest Service Office.

- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized office.

**CONFIDENTIAL-TIGHT HOLE**

25. Signature *Lisa L. Smith* Name (Printed/Typed) **Lisa L. Smith** Date **8/26/2003**

Title **Authorized Agent for Tom Brown Inc.**

Approved by (Signature) *Daryl Trotter* Name (Printed/Typed) **Daryl Trotter** Date **NOV 7 2003**

Title **Assistant Field Manager, Division of Resources** Office **Moab Field Office**

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

**CONDITIONS OF APPROVAL ATTACHED**

Conditions of approval, if any, are attached.

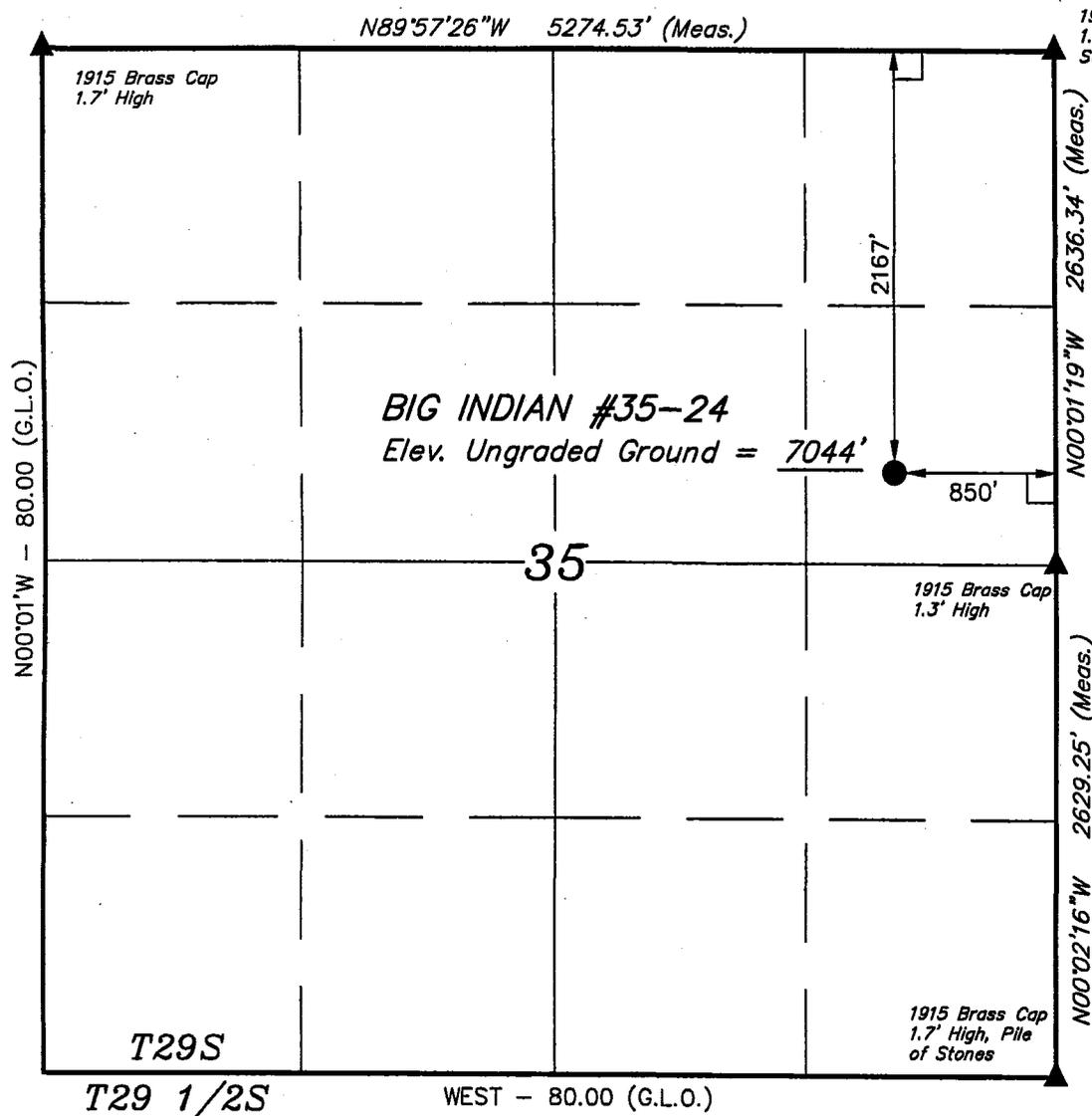
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**TOM BROWN INC.**

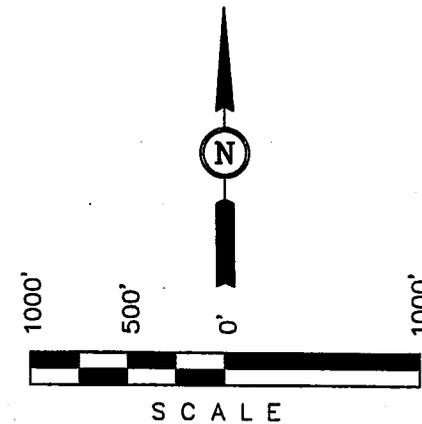
**T29S, R24E, S.L.B.&M.**

Well location, BIG INDIAN #35-24, located as shown in the SE 1/4 NE 1/4 of Section 35, T29S, R24E, S.L.B.&M. San Juan County, Utah.



**BASIS OF ELEVATION**

BENCH MARK (LA SAL 7207) LOCATED NEAR 1/4 CORNER ON THE WEST LINE OF SECTION 34, T29S, R24E, S.L.B.&M. TAKEN FROM THE SANDSTONE DRAW QUADRANGLE, UTAH, SAN JUAN COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7207 FEET.



**CERTIFICATE**

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.

*Robert Hay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161349  
 STATE OF UTAH

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.  
 (AUTONOMOUS NAD 83)  
 LATITUDE = 38°14'19.83" (38.238842)  
 LONGITUDE = 109°14'21.69" (109.239358)

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 07-24-03	DATE DRAWN: 07-31-03
PARTY J.F.      A.F.      D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE TOM BROWN INC.	

Tom Brown, Inc.  
Big Indian No. 35-24  
Lease U-77077  
SE/NE Section 35, T29S, R24E  
San Juan County, Utah

**A COMPLETE COPY OF THIS PERMIT SHALL BE KEPT ON LOCATION from the beginning of site construction through well completion, and shall be available to contractors to ensure compliance.**

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Tom Brown, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by ES0183 (Principal – Tom Brown, Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors.

A. DRILLING PROGRAM

1. The proposed 3M BOPE is adequate for anticipated conditions. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
2. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
3. The H2S Contingency (Drilling Operations) Plan shall be posted in the doghouse with the APD for immediate reference.
4. A cement bond log (CBL), or other appropriate tool for determining top-of-cement, shall be run on the production casing string and shall be submitted to BLM.
5. All equipment potentially subject to exposure to hydrogen sulfide (H2S) shall be trimmed for H2S service.
6. The surface casing shall be set not less than 50 feet into of the Chinle Formation.

B. SURFACE USE PLAN

1. The following mixture of pure live seed (PLS) will be used at the Big Indian #35-24 Well:

Indian ricegrass	4 pounds per acre
Crested wheatgrass	4 pounds per acre
Four-wing saltbush	4 pounds per acre
Alfalfa	1/2 pound per acre

2. This APD does not authorize construction or installation of pipelines or other facilities off the approved well pad. The installation of pipelines for production operations will require prior review and approval from BLM. Additional cultural resource inventories and reports may be required prior to authorization of pipeline installation operations.

### C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the BLM, Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the Moab Field Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed with the Moab Field Office for approval of all changes of plans and subsequent operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Price Field Office is to be notified.

First Production- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Moab Field Office. The Moab Field Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor (BLM) shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No.7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Rich McClure (435-259-2127) BLM Moab Field Office, or Jeff Brown (435-587-1525) BLM Monticello Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation (McClure);

1 day prior to spudding (Brown);

50 feet prior to reaching the surface casing setting depth (Brown);

3 hours prior to testing BOPE (Brown).

If the person at the above number cannot be reached, notify the Moab Field Office at 435-259-2100. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Field Office at 435-259-2100. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: 435-259-2117

Home: 435-259-2214

# TOM BROWN, INC.

August 23, 2004

Diana Whitney  
Utah Division of Oil, Gas & Mining  
1594 West North Temple, STE 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Extension Request  
Big Indian 35-24  
API # 43-037-31829  
SENE 35-T29S-R24E

Dear Ms. Whitney;

Tom Brown, Inc, is requesting the extend the subject well application to drill. Enclosed are the originals and required copies of the following items:

State Form 9  
Request for Permit Extension Validation Form

If you have any questions, I can be reached at (303) 260-5194. Thank you for your time in this matter.

Sincerely,



Scott M. Webb  
Regulatory Specialist

RECEIVED  
AUG 25 2004  
DIV. OF OIL, GAS & MINING

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

007

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-077077
2. NAME OF OPERATOR: Tom Brown, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 555 17th St., STE 1850 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2167' FNL & 850' FEL QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 35 29S 24E		8. WELL NAME and NUMBER: Big Indian 35-24
PHONE NUMBER: (303) 260-5000		9. API NUMBER: 037-31829
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Big Indian
STATE: UTAH		

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

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

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

TBI is requesting to extent the subject well permit. Nothing in the well design has been changed for the original APD filing.

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 08-30-04  
By: *[Signature]*

COPI SENT TO OPERATOR  
Date: 8-31-04  
Initials: CHD

NAME (PLEASE PRINT) <u>Scott M. Webb</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE <i>[Signature]</i>	DATE <u>8/22/2004</u>

(This space for State use only)

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AUG 25 2004  
DIV. OF OIL GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-037-31829  
**Well Name:** Big Indian 35-24  
**Location:** 2167' FSL & 850 FEL, SENE Section 35-T29S-R24E  
**Company Permit Issued to:** Tom Brown, Inc.  
**Date Original Permit Issued:** 9/4/2003

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

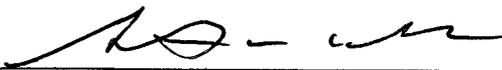
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
\_\_\_\_\_  
Signature

8/22/2004  
\_\_\_\_\_  
Date

Title: Regulatory Specialist

Representing: Tom Brown, Inc.

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: TOM BROWN INCWell Name: BIG INDIAN 35-24Api No: 43-037-31829 Lease Type: FEDERALSection 35 Township 29S Range 24E County SAN JUANDrilling Contractor CYCLONE RIG # 16**SPUDDED:**Date 11/17/2004

Time \_\_\_\_\_

How ROTARY**Drilling will commence:** \_\_\_\_\_Reported by BOB WYLETelephone # 1-254-378-1252Date 11/18/2004 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**SUNDRY NOTICES AND REPORTS ON WELLS**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

Utah

009

COPY

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. UT-77077

6. If Indian, Allote or Tribe Name NA

7. If Unit or CA/Agreement Designator NA

8. Well Name and No. Big Indian 35-24

9. API Well No. 43-037-31829

10. Field and Pool, or Exploratory Area Big Indian

11. County or Parish, State San Juan, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator: Tom Brown, Inc.    Contact: Jane Washburn  
 Phone: 303/260-5031

3. Address and Telephone No.  
555 Seventeenth Street, Suite 1850, Denver, CO 80202

4. Location of Well (Footage, T, R, M, or Survey Description)  
SENE Sec 35-29S-24E  
2167' FNL, 850' FEL

CONFIDENTIAL

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

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

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

The Big Indian 35-24 spudded on 11/17/04. Attached for your information are daily reports detailing activity from 11/18/04 through 11/22/04.

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

Name (Printed/Typed) Jane Washburn    Title Engineering Technician

Signature Jane Washburn    Date 11/22/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

Office \_\_\_\_\_

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for my 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.

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NOV 26 2004

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY



Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/22/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 5  
Spud Date : 11/17/2004 Days From Spud : 5 Depth At 06:00 : 2100  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :  
Currently, fluid loss is not a problem.

Time To	Description
9:00 AM	Drig f 1,765' t 1,797'.
9:30 AM	Service rig.
6:00 AM	Drig f 1,797' t 2,100'.

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/21/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 4  
Spud Date : 11/17/2004 Days From Spud : 4 Depth At 06:00 : 1765  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :

Time To	Description
3:00 PM	Mix and spot two 75 bbl, high vis pills, mixed with 8 ppg LCM, outside DP. Recovered full returns.
7:00 PM	Prepare to continue drilling, am unable to achieve previous pump pressures at previous strokes. switch pumps with same results. check pumps, TOOH for washout. Found no hole.
8:00 PM	Go through pumps, find no problems.
10:00 PM	SLM in hole, no correction.
6:00 AM	Drig f 1,672' t 1,765'.

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/20/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 3  
Spud Date : 11/17/2004 Days From Spud : 3 Depth At 06:00 : 1672  
Morning Operations : Attempt to control fluid loss Estimated Total Depth : 6100

Remarks :

AT Approximately mid-night had 5 to 10% drop in flow returns, mixed and pumped two 20 bbl, high vis sweeps with LCM. While gaining full returns, the fluid loss would continue after a brief period.  
At about 0430hrs. took one pump off hole, and slowed remaining pump to 90 spm. At this time the decision was made to stop pumping and spot a high vis pill with LCM out side drill string to stop fluid loss. BW

Time To	Description
7:30 AM	Drig f 735' t 758'
12:00 PM	Trip for bit, (survey @ 750'- 2.5 deg) pick up Tele-drift.
4:30 AM	Drig f 758' t 1,672'.
6:00 AM	Mix and spot high vis sweep w/ LCM to control seepage and stop fluid loss.

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DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY



Well : **Big Indian 35-24**  
Surface Location : SENE-35-29S-24 E 6th PM  
Spud Date : 11/17/2004      Days From Spud : 2  
Morning Operations : Drilling

API # : 4303731829  
Area : Big Indian

Operations Date : 11/19/2004  
Report # : 2  
Depth At 06:00 : 725  
Estimated Total Depth : 6100

Remarks :

Time To	Description
7:00 AM	Drilling
7:30 AM	Service rig
2:30 PM	Drill f 158' t 248'
3:00 PM	Tighten union on stand pipe
10:30 PM	Drill f 248' t 541'
11:00 PM	Survey @ 472' - 1.5 degree
6:00 AM	Drill f541' t 735'

Well : **Big Indian 35-24**  
Surface Location : SENE-35-29S-24 E 6th PM  
Spud Date : 11/17/2004      Days From Spud : 1  
Morning Operations : Drilling

API # : 4303731829  
Area : Big Indian

Operations Date : 11/18/2004  
Report # : 1  
Depth At 06:00 : 126  
Estimated Total Depth : 6100

Remarks :

Time To	Description
9:00 PM	Rig up
9:00 PM	Drill

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**NOV 26 2004**

**DIV. OF OIL, GAS & MINING**

ENTITY ACTION FORM

Operator: Tom Brown, Inc.  
Address: 555 17th Street  
city Denver  
state CO zip 80202

Operator Account Number: N 9885  
Phone Number: (303) 260-5031

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303731829	Big Indian 35-24		SENE	35	29S	24E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	14409	11/17/2004		11/30/04		
Comments: <i>15my out of unit boundary + formation</i> <b>CONFIDENTIAL</b>							

K

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- 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)

Jane Washburn

Name (Please Print)

*Jane Washburn*  
Signature

Engineering Tech

11/22/2004

Title

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NOV 26 2004

F:\admin\info\...

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial No.

**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.

6. If Indian, Allotte or Tribe Name

7. Unit Agreement Name

1. Type of Well

- Oil Well     Gas Well     Other

8. Well Name and Number

2. Name of Operator: EnCana Oil & Gas (USA) Inc.  
(successor in interest of Tom Brown, Inc. effective 1/1/05)

Contact: Jane Washburn  
Phone: 720/876-5431

9. API Well Number

3. Address and Telephone No.

370 Seventeenth Street, Suite 1700, Denver, CO 80202

10. Field and Pool, or Exploratory Area

4. Location of Well

Footages:

**SEE ATTACHED LIST OF WELLS**

County:

QQ, Sec T,R,M:

State:

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon                       New Construction  
 Repair Casing               Pull or Alter Casing  
 Change Plans                 Recomplete  
 Convert to Injection         Reperforate  
 Fracture Treat or Acidize    Vent or Flare  
 Multiple Completion        Water Shut-Off  
 Other

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon\*                       New Construction  
 Repair Casing                 Pull or Alter Casing  
 Change Plans                 Recomplete  
 Convert to Injection         Reperforate  
 Fracture Treat or Acidize    Vent or Flare  
 Water Shut-Off

Other                      Change of Operator

Approximate date work will start \_\_\_\_\_

Date of work completion \_\_\_\_\_

Report results of Multiple Completions 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 Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days

following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once

testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has

determined that the site is ready for final inspection.)

N9885

N2175

The merger of Tom Brown, Inc. with EnCana Oil & Gas (USA) Inc. was effective January 1, 2005.

It is, therefore, requested that the Operator of all properties on the attached list be changed from Tom Brown, Inc. to EnCana Oil & Gas (USA) Inc.

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JAN 2 / 2005

DIV. OF OIL, GAS & MINING

13. Name (Printed/Typed) Jane Washburn		Title Operations Engineering Tech
Signature <i>Jane Washburn</i>		Date 01/24/2005

(This space for State use only)

APPROVED 2/24/05

ER

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

well name	sec	twsp	rng	api	entity	lease	well	stat	flag	unit name	lease num	qtr	qtr	td	md	d	apd	op no
BIG INDIAN 36-42	36	290S	240E	4303731827		State	GW	APD			ST-UT-37067	SESW					5750	N9885
FEDERAL 14-18	18	250S	060E	4301530060	436	Federal	NA	PA			UTU-69447	SWSW						N9885
NW USA D-1 (B-624)	24	300S	240E	4303716516	99990	Federal	WD	A			UTU-070034	NENW						N9885
FEDERAL 15-25	25	290S	230E	4303730317	4776	Federal	GW	S			UTU-986	SWSE						N9885
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	DRL	C		UTU-077077	SENE						N9885
BIG INDIAN 27-34	27	290S	240E	4303731828		Federal	GW	APD	C		N9885							
BIG INDIAN UNIT 1	33	290S	240E	4303716219	8122	Federal	OW	S		BIG INDIAN	UTSL-067131	SENE						N9885
BIG INDIAN 4	14	300S	250E	4303716221	8124	Federal	GW	TA		BIG INDIAN	UTSL-089097	SWSW						N9885
BIG INDIAN 34-11	34	290S	240E	4303731818	14004	Federal	D	PA	C	BIG INDIAN	UTU-014905	NWNW						N9885
BULL HORN U 10-43	10	300S	250E	4303731831	14393	Federal	GW	DRL	C	BULL HORN	UT-73190	SWSE						N9885
LISBON B-615	15	300S	240E	4303715123	8123	Federal	OW	P		LISBON	UTU-09179	NENW						N9885
LISBON FED 2-21F	21	300S	250E	4303715768	410	Federal	GW	S		LISBON	UTU-094674	SENE						N9885
LISBON B912	12	300S	240E	4303715769	8123	Federal	OW	S		LISBON	UTU-06922	SESW						N9885
LISBON A-713A	13	300S	240E	4303716236	8123	Federal	GW	PA		LISBON	UTSL-070034	SWNW						N9885
LISBON A-715	15	300S	240E	4303716237	8123	Federal	WD	A		LISBON	UTU-020691A	SWNW						N9885
LISBON B-613	13	300S	240E	4303716240	8123	Federal	OW	S		LISBON	UTSL-070034	NENW						N9885
LISBON C-69	09	300S	240E	4303716245	8123	Federal	OW	S		LISBON	UTU-09179	NWNE						N9885
LISBON C-94	04	300S	240E	4303716247	8123	Federal	OW	S		LISBON	UTU-66582	SWSE						N9885
LISBON UNIT D-84	04	300S	240E	4303716250	8123	Federal	OW	P		LISBON	UTU-015445	NESE						N9885
LISBON D-89	09	300S	240E	4303716251	8123	Federal	OW	P		LISBON	UTU-015445	NESE						N9885
NW LISBON USA B-1 (B-614)	14	300S	240E	4303716468	8123	Federal	OW	P		LISBON	UTSL-070008A	NENW						N9885
NW LISBON USA A-2 (D-810)	10	300S	240E	4303716471	8123	Federal	GW	P		LISBON	UTU-14903	NESE						N9885
LISBON B-84	04	300S	240E	4303730054	8123	Federal	OW	S		LISBON	UTU-09179	NESW						N9885
LISBON B-814	14	300S	240E	4303730082	8123	Federal	OW	S		LISBON	UTSL-070008A	NESW						N9885
LISBON C-99	09	300S	240E	4303730693	8123	Federal	OW	P		LISBON	UTU-09179	SWSE						N9885
LISBON B-94	04	300S	240E	4303730695	8123	Federal	OW	S		LISBON	UTU-015445	SESW						N9885
LISBON C-910 I	10	300S	240E	4303731805	12892	Federal	D	PA		LISBON	UTU-0141903	SWSE						N9885
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	P		LISBON	ML-13692	NENE	9120	9120				N9885
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S		LISBON	ML-8366	NESW	8689	8689				N9885
BELCO ST 4 (LISBON B-816)	16	300S	240E	4303716244	8123	State	WD	A		LISBON	ML-8366	NESW	8730	9100				N9885
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	P		LISBON	ML-13692	SENE	8794	8775				N9885
LISBON U B-610	10	300S	240E	4303716469	8123	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW						N9885
LISBON U B-610	10	300S	240E	4303716469	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW						N9885
LISBON U D-610	10	300S	240E	4303730694	9740	Federal	GW	P		LISBON (MCCRACKEN)	UTU-014903	NENE						N9885
LISBON UNIT A-911	11	300S	240E	4303731014	9740	Federal	GW	P		LISBON (MCCRACKEN)	UTSL-070008A	SWSW						N9885
LISBON C-910	10	300S	240E	4303731323	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	SWSE						N9885
LISBON B-614A	14	300S	240E	4303731351	9740	Federal	OW	TA		LISBON (MCCRACKEN)	UTSL-070008A	NENW						N9885
LISBON B-810	10	300S	240E	4303731433	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NESW						N9885
LISBON (MCCRACKEN) D-615	15	300S	240E	4303731817		Federal	OW	LA		LISBON (MCCRACKEN)	N9885							
LISBON (MCCRACKEN) A-610	10	300S	240E	4303731821		Federal	OW	LA		LISBON (MCCRACKEN)	N9885							

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"TBI PIPELINE COMPANY", A DELAWARE CORPORATION,

"TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION,

"TOM BROWN, INC.", A DELAWARE CORPORATION,

WITH AND INTO "ENCANA OIL & GAS (USA) INC." UNDER THE NAME OF "ENCANA OIL & GAS (USA) INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SECOND DAY OF DECEMBER, A.D. 2004, AT 6:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2137895 8100M

040934710

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3584585

DATE: 12-29-04

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 06:15 PM 12/22/2004  
FILED 06:15 PM 12/22/2004  
SRV 040934710 - 2137895 FILE

**STATE OF DELAWARE  
CERTIFICATE OF MERGER OF  
DOMESTIC CORPORATIONS**

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

**FIRST:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

<u>Name</u>	<u>Jurisdiction of Incorporation</u>
Tom Brown, Inc.	Delaware corporation
TBI Pipeline Company	Delaware corporation
TBI West Virginia, Inc.	Delaware corporation

**SECOND:** The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

**THIRD:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

**FOURTH:** The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

**FIFTH:** The merger is to become effective on January 1, 2005.

**SIXTH:** The Agreement and Plan of Merger is on file at 950 17<sup>th</sup> Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

**SEVENTH:** A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

**IN WITNESS WHEREOF,** said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

By Mary A. Viviano  
Mary A. Viviano, Secretary



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 not yet 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: n/a

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: n/a

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/24/2005

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/24/2005

3. Bond information entered in RBDMS on: 2/24/2005

4. Fee/State wells attached to bond in RBDMS on: 2/24/2005

5. Injection Projects to new operator in RBDMS on: 2/24/2005

6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

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

1. Federal well(s) covered by Bond Number: UT1005

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

1. Indian well(s) covered by Bond Number: n/a

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0007875

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:**

Merger and rider of bond from Tom Brown, Inc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

UTAH

012

5. Lease Serial No.  
UT-77077

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

6. If Indian, Allottee or Tribe Name  
NA

1a. Type of Well: Oil Well  Gas Well  Dry  Other: \_\_\_\_\_

7. Unit or CA Agreement Name and No.  
NA

1b. Type of Completion: New Well  Workover  Deepen  Plug Back  Diff. Reserv.  Other: \_\_\_\_\_

2. Name of Operator  
EnCana Oil & Gas (USA) Inc.

8. Lease Name and Well No.  
Big Indian 35-24

3. Address  
370 Seventeenth Street, Suite 1700, Denver, Colorado 80202

9. API Well No.  
43-037-31829

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At Surface 2167' FNL, 850' FEL (SENE)  
At top prod. interval reported below Same  
At total depth Same

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 3-16-06

10. Field and Pool, or Exploratory  
Big Indian

11. Sec., T., R., M., on Block and Survey or Area  
Sec 35-29S-24E

12. County/Parish San Juan  
13. State Utah

14. Date Spudded 11/07/2004  
15. Date T.D. Reached 12/07/2004  
16. Date Completed (prod)  D&A  Ready to Prod. 2/16/05

17. Elevations (DF, RKB, RT, GL)\*  
7044 GL, 7069' KB

18. Total Depth: MD 6218 TVD  
19. Plug Back T.D.: MD 6214 TVD  
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit Copy of each) **MUD LOG**  
CBL, VDL-GR-CCL, CNL/LDT Platform Express, Dipole Shear Sonic Imager, Platform Express Triple Combo and Array Induction Log

22. Was Well Cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk & Type of Cement	Slurry vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625	36#	surface	2373		504 sx Prem Lite, 281 sx Type III		surface	
8.75	5.5	17#	surface	6214		1160 sx 12.5# Prem Lite		surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	5841							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Hermosa	3261		3178-3260	0.39	224	Open - Dry
B)			3366-3378	0.39	48	Open - Dry
C)			3554-3800	0.39	296	Open - Dry
			3952-4048	0.39	136	Open - Dry
			4366-4374	0.39	32	Open - Dry
			4908-4920	0.39	48	Open - Dry
			5424-5378	0.39	24	Open
			5710-5740	0.39	120	Open
			5880-5910	0.39	120	Open

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27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
	SEE ATTACHED WELLBORE DIAGRAM

28. Production - Interval A

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
2/17/05	2/18/05	24		0	2600	0			Flow to tank
Choke Size	Tbg Press. Pwvg./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	
24/64	800	900		0	2600	0		SI WOPL	

28a. Production - Interval B

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Pwvg./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	

(See instructions and spaces for additional data on reverse side)

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28b. Production - Interval C

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	

29. Disposition of Gas ( Sold, used for fuel, vented, etc.)

SI WOPL

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

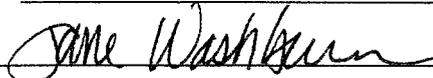
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Cutler	1846
				Hermosa Group	3261
				Honaker Trail	3261
				Ismay	5784
				Paradox Salt	6094

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other: Daily Well History

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jane Washburn Title Operations Engineering Tech  
 Signature  Date 03/14/2005

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

**WELLBORE DIAGRAM**

Surface Loc: 2167' FNL, 850' FEL

Operator: Tom Brown, Inc.  
 Well Name: Big Indian 35-24  
 Lease Number:  
 Location: SENE Sec 35-29S-24E  
 Field: Big Indian  
 County: San Juan, Utah  
 API Number: 43-037-31829  
 Diagram Date: 03/14/2005

KB 7059

GL 7044'

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**Well History**

Spud Date 11/17/2004  
 TD Reached 12/07/2004  
 Rig Released 12/09/2004  
 Completion Date 02/16/2005  
 First Sales: NA/ WOPL as of 3/10/05

56 jts 9.5/8" 36# J-55 LT&C  
 csg @ 2397'; cmt w/ 504 sx  
 Prem Lite lead; 281 sx Type III tail

Top of Cutler @ 1846'

Top of Hermosa Group @ 3261'  
 Top of Honaker Trail @ 3261'

EOT @ 5841'

Top of Ismay @ 5784'

Top of Paradox Salt 6094'

PBTD 6214'

TD 6218'

**tubing Detail:**

KB  
 190 jts 2-3/8" L-80 new tbg  
 1.87 F-Nipple  
 1 jt 2-3/8" tbg  
 1.81 F-Nipple  
 4' sub  
 EOT

**Depth:**

15.00  
 5789.00  
 1.05  
 31.20  
 1.05  
 4.00  
**5841.30**

3178-3184 Cutler perms shot 1/26/05 (224 holes)  
 3210-3260 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 DFIT: Pump 15 bbls @ 1 BPM, ISIP 679, 5 min 588, 15 min 468

3366-3378 Honaker Trail perms shot 1/25/05 (48 holes)  
 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 DFIT: Pump 15.6 bbls @ 1 BPM, ISIP 757, 5 min 730, 15 min 671

3554-3566 Honaker Trail perms shot 1/24/05 (296 holes)  
 3580-3600 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 3656-3676 DFIT: Pump 15.6 bbls @ 1 BPM, ISIP 1281, 5 min 1183, 15 min 1111  
 3778-3800

3952-3970 Honaker Trail perms shot 1/22/05 (136 holes)  
 4032-4048 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 DFIT: Pump 15 bbls @ 1 BPM, ISIP 2023, 5 min 1800, 15 min 1662

4366-4374 Honaker Trail perms shot 1/21/05 (32 holes)  
 4 spf, 90°, 3-3/8" exp gun w/23 g chg

4908-4920 Honaker Trail perms shot 1/19/05 (48 holes)  
 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 DFIT: Pump 17.3 bbls @ 1 BPM, ISIP 1750, 5 min 1672, 15 min 1617

5424-5430 Honaker Trail perms shot 1/11/05 (24 holes)  
 5393-5400 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 5376-5378 DFIT: Pump 10 bbls @ 4 BPM, IDIP 1970, 15 min 406, 30 min 261  
 Slickwater frac: 500 gals 15% Hcl, 65000# 20/40 white sand

5710-5740 Ismay perms shot 12/22/04 (120 holes)  
 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 N2 foam frac (500 gal 15% HCL acid pad, 49,444 # 20/40 sand)

5880-5910 Ismay perms shot 12/20/04 (120 holes)  
 4 spf, 90°, 3-3/8" exp gun w/23 g chg  
 N2 foam frac (500 gal 15% HCL acid pad, 50,000 # 20/40 sand)  
 Re-frac 5880-5910 and 5710-5740 w/1000 gal hcl, 75000# 20/40 brady sand  
 ISIP 3160, 15 min 2983, 30 min 2940

141 jts 5.5" 17# N-80 and P-110 LT&C csg @ 6214'  
 Cmt w/ 1160 sx Prem Lite

**EnCana Oil & Gas**  
**Honaker Trail Breakdown Procedure**  
**January 26, 2005**  
**REVISION 0**

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**Big Indian 35-24**  
**SE NE Sec 35 T29S R 24E**  
**Big Indian Field**  
**San Juan County, Utah**

**Prepared by:** Kim Sands  
**Office:** 720-876-5368  
**Cell:** 303-250-1714  
**Home:** 303-282-0238  
**Fax:** 720-876-6368  
**E-mail:** ksands@tombrown.com

**AFE Number:** 40524  
**AFE Completion Cost:** \$953,708  
**API Number:** 43 -037-31829

**TBI Working Interest:** 100%  
**TBI Net Revenue Interest:** 82%

**Spud Date:** 11/17/04  
**Rig Release Date:** 12/08/04

**KB to GL:** 15'  
**GL elevation:** 7044'  
**TD:** 6218'  
**PBTD:** FC @ 6214'

**Surface Casing:** 9-5/8", 36#, J-55, LTC, set @ 2370'  
Cmt'd w/ 504 sx 12# Premium Lite f/b 281 sx 14.5# Type 3 (12-1/4" hole)

**Production Casing:** 5-1/2", 17#, P-110 LTC, set @ 6214'  
Cmt'd w/ 1160 sx 12.5# Premium Lite (8-3/4" hole)

**Casing properties:** Collapse: 7480 psi Burst: 10,640 psi

**Target Zones:** Honaker Trail and Cutler

**Formation Tops:** Paradox Salt @ 6094', Ismay @ 5784', Honaker Trail 3261', Cutler Arkose (faulted) 1846'

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**Big Indian 35-24**  
**SE NE Sec 35 T29S R 24E**  
**Big Indian Field**  
**San Juan County, Utah**

**Cutler Arkose 3178' – 3260':**

1. RIH with 5-1/2" packer. Set packer @ +/- 3125'.
2. Fill tubing volume with water treated with 4% KCl. Load hole and bleed down, until well is stable, to prevent any gas pockets. Rig up pump. Pump approximately 15 bbls water treated with 4% KCl at 1 bpm. SI well, measure and record: ISIP, 5, 10, and minute SIP.
3. RU and swab well. Record IFL and load recovered.
4. Flow test well.

**Honaker Trail 4908' – 4920':**

5. RU foam unit and drill out CBP @ 4827' and +/- 3300'.
6. RIH with 5-1/2" packer. Set packer @ 4850'.
7. Fill tubing volume with water treated with 4% KCl. Load hole and bleed down, until well is stable, to prevent any gas pockets. Rig up pump. Pump approximately 15 bbls water treated with 4% KCl at 1 bpm. SI well, measure and record: ISIP, 5, 10, and minute SIP.
8. RU and swab well. Record IFL and load recovered.
9. Flow test well.

**Honaker Trail 3952' – 4048':**

10. RIH with 5-1/2" packer. Set packer @ +/-3900' and plug @ +/-4075'.
11. Fill tubing volume with water treated with 4% KCl. Load hole and bleed down, until well is stable, to prevent any gas pockets. Rig up pump. Pump approximately 15 bbls water treated with 4% KCl at 1 bpm. SI well, measure and record: ISIP, 5, 10, and minute SIP.
12. RU and swab well. Record IFL and load recovered.
13. Flow test well.

**Interval #7: Honaker Trail 3554' – 3800':**

14. RIH with 5-1/2" packer. Set packer @ +/-3500' and plug @ +/-3825'.
15. Fill tubing volume with water treated with 4% KCl. Load hole and bleed down, until well is stable, to prevent any gas pockets. Rig up pump. Pump approximately 15 bbls water treated with 4% KCl at 1 bpm. SI well, measure and record: ISIP, 5, 10, and minute SIP.
16. RU and swab well. Record IFL and load recovered.

17. Flow test well.

**Interval #8: Honaker Trail 3366' – 3378':**

18. RIH with 5-1/2" packer. Set packer @ +/-3300' and plug @ +/-3400'.

19. Fill tubing volume with water treated with 4% KCl. Load hole and bleed down, until well is stable, to prevent any gas pockets. Rig up pump. Pump approximately 15 bbls water treated with 4% KCl at 1 bpm. SI well, measure and record: ISIP, 5, 10, and minute SIP.

20. RU and swab well. Record IFL and load recovered.

21. Flow test well.

**Big Indian 35-24**  
**SE NE Sec 35 T29S R 24E**  
**Big Indian Field**  
**San Juan County, Utah**

**EnCana / Tom Brown, Inc. Contacts:**

<b>Name</b>	<b>Title, Location</b>	<b>Telephone Number</b>
Kim Sands	Production Engineer, Denver	720-876-5368 office 303-750-1714 cell 303-282-0238 home 720-876-6368 fax
Ron Schuyler	Operation Manager, Denver	720-876-5142 office
Kenny Allred	HSE, Lisbon	435-686-2236 office
Bob Brooks	Reservoir Engineer, Denver	720-876-5197 office
Rusty Calhoun	Production, Andy's Mesa	970-260-4268 cell
Rick Costanza	Production Supervisor, Lisbon	435-686-7612 office 435-260-1671 cell
Tom Flynn	Completion Supervisor, Paradox	970-216-1585 cell
Bill Houston	Geologist, Denver	720-876-5242 office
Larry Lillo	Landman, Denver	720-876-5127 office
Brent Miller	Geophysicist, Denver	720-876-5050 office
Rex Thompson	Completion Supervisor, Paradox	970-560-5001 cell
Doug Vansteelandt	Team Lead, Denver	720-876-5068 office
Jane Washburn	Engineering Tech, Denver	720-876-5431 office
Jevin Croteau	Regulatory, Denver	720-876-5339 office
Stan White	Geologist, Denver	720-876-5028 office 720-273-2342 cell
Chris Williams	HSE, Denver	720-876-5485 office 303-888-6978 cell

**Service Company Contacts:**

<b>Service</b>	<b>Name</b>	<b>Company, Location</b>	<b>Telephone Number</b>
Stimulation	David Hencke Terry Crab	BJ, Denver BJ, Farmington	303-832-3722 office 505-325-9254 office 505-330-0004 cell
DFIT		Halliburton, Farmington	
Frac Tracers	Glen Hammond	Protechnics	505-330-9171 cell
Retainers	Karl Caldwell	Halliburton, Denver	303-899-4700 office
Perforating	Rhadd Willer	Lone Wolf, Grand Junction	970-241-4832 office
Cased Hole Logging	Jeff Davis	Schlumberger, Denver	720-876-3787 office
Open Hole Logging	Herb Meighan	Schlumberger, Denver	720-876-3536 office
Pressure Bombs	Jeff Williams	Phoenix Services, Farmington	505-325-1125 office 505-793-1101 cell
Snubbing	Steve Shafer Chris Prather	Cudd, Denver Cudd, Rock Springs	303-571-1734 office 307-382-6650 office

log, or other geological, geophysical, or engineering information may be held confidential as provided in R649-2-11, Confidentiality of Well Log Information.

**R649-3-22. Completion Into Two Or More Pools.**

1. The completion of a single well into more than one pool may be permitted by submitting an application to the division and securing its approval. The application shall be submitted on Form 9, Sundry Notice and Report and shall be accompanied by an exhibit showing the location of all wells on contiguous oil and gas leases or drilling units overlying the pool. The application shall set forth all material facts involved and the manner and method of completion proposed.

2. If oil or gas is to be produced from two or more pools open to each other through the same string of casing so that commingling will take place, the application must also be accompanied by a description of the method used to account for and to allocate production from each pool so commingled.

3. The application shall include an affidavit showing that the operator has provided a copy of the application to the owners of all contiguous oil and gas leases or drilling units overlying the pool. If none of these owners file a written objection to the application within 15 days after the date the application is filed with the division, the application may be considered and approved by the division without a hearing. If a written objection is filed that cannot be resolved administratively, the application may be approved only after notice and hearing by the board.

**R649-3-23. Well Workover and Recompletion.**

1. Requests for approval of a notice of intention to perform a workover or recompletion shall be filed by an operator with the division on Form 9, Sundry Notices and Reports on Wells, or if the operation includes substantial redrilling, deepening, or plugging back of an existing well, on Form 3, Application for Permit to Drill, Deepen or Plug Back.

2. The division shall review the proposed workover or recompletion for conformance with the Oil and Gas Conservation General Rules and advise the operator of its decision and any necessary conditions of approval.

3. Recompletions shall be conducted in a manner to protect the original completion interval(s) and any other known productive intervals.

4. The same tests and reports are required for any well recompletion as are required following an original well completion.

5. The applicant shall file a subsequent report of workover on Form 9, Sundry Notices and Reports, or a subsequent report of recompletion on Form 8, Well Completion or Recompletion Report and Log, within 30 days after completing the workover or recompletion operations.

**RECEIVED**

**MAR 18 2005**

**DIV. OF OIL, GAS & MINING**

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/19/2005	72	6:00 PM	720 tbg flowing on 24/64 choke making 2.4 MMcfs. 850 csg pressure. TBG started blowing dry. Shut tbg in. Recover 96 bbls. SWI.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/18/2005	71	6:00 PM	900 SICP. 800 TBG flowing on 24/64 choke making 2.6 MMcfs. Recover 62 bbls. Left to reecover 687 from frac. Left well w/ flow back hand to flow test. RDMO.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/17/2005	70	6:00 PM	1550 SICP. R/U Phoenix to reteve plug from 1.81 F-nipple had trash ontop made 5 runs. Run TD and tag @ 6093. Blow tbg for 20 mins unload fluid. Run RA log from 4800-6000. R/D Phoenix. Open tbg up on 24/64 choke to tank left open flow test.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/16/2005	69	6:00 PM	1700 SICP. Land tbg on rams and R/D Cudd snubbing unit. R/U Graco to tbg and pump 18 bbls to make sure pump thur is clean. RIH and tag @ 5994. R/U graco and clean out to PBTD @ 6152. Circulate clean 1 1/2 hrs. R/D Graco foam unit. L/D 11 jts land EOT @ 5841 w/ noch collar, 4' sub, 1.81 F-nipple. 1 jt 2 3/8 L-80 tbg, 1.87 F-nipple and 190 jts 2 3/8 L-80 tbg. N/D BOPE. N/U wellhead. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/15/2005	68	6:00 PM	1400 SICP. Open up on 24/64 choke to tank. L/D 40 jts and on rams. Hold pre-safety meeting. R/U Cudd snubbing unit. L/D 40 jts total 180 jts. Change over to 2 3/8 equipment. Go in w/ noch collar, 4' sub, 1.81 F-nipple w/ pump thur, 1 jt, 1.87 F-nipple and 119 jts. SWIFN.

# REGULATORY COMPLETION SUMMARY



Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 02/14/2005	Report # : 67	End Time	Description
Summary : 0 SITP. Open up on 2" flowed little fluid. 1700 SICP. R/U Phoenix SL to tag sand. Tag 5994. Set flow thru plug in 2.25 f-nipple. R/D Phoenix SL. N/D Stinger Isolation tool. Try releasing PKR. 1700 SICP start blowing down csg open by-pass release PKR. L/D 100 jts. SWIFN.	6:00 PM	0 SITP. Open up on 2" flowed little fluid. 1700 SICP. R/U Phoenix SL to tag sand. Tag 5994. Set flow thru plug in 2.25 f-nipple. R/D Phoenix SL. N/D Stinger Isolation tool. Try releasing PKR. 1700 SICP start blowing down csg open by-pass release PKR. L/D 100 jts. SWIFN.	

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 02/13/2005	Report # : 65	End Time	Description
Summary : Well died. Recover 520 bbls. left to recover 749. Shut well in.	6:00 PM	Well died. Recover 520 bbls. left to recover 749. Shut well in.	

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 02/12/2005	Report # : 66	End Time	Description
Summary : 1040 SICP. SLB R/U to Stinger. Hold pre-safety meeting. Re-frac interval # 1 ismay @ 5880-5910 and interval # 2 honaker trail @ 5710-5740 w/ SLB clear-frac. PSI test lines to 7000. 840 SITP. Start w/ 1000 gals of hcl acid break formation @ 4173. Pump 10 stages w/ 75000# of 20/40 brady sand and flush w/ 50.6 bbls to top perf. Avg psi=3714. Max psi=6135. Avg rate=20.3 bbl/min. Max rate=22.5 bbl/min. ISIP 3160. SIP 5min= 3068, 10 min= 3011, 15 min= 2983, 20 min= 2969, 25 min= 2953, 30 min= 2940. Shut in and R/D SLB. Open tbg up on 24/64 choke @ 2650 flow test. BBLs to recover 1269.	6:00 PM	1040 SICP. SLB R/U to Stinger. Hold pre-safety meeting. Re-frac interval # 1 ismay @ 5880-5910 and interval # 2 honaker trail @ 5710-5740 w/ SLB clear-frac. PSI test lines to 7000. 840 SITP. Start w/ 1000 gals of hcl acid break formation @ 4173. Pump 10 stages w/ 75000# of 20/40 brady sand and flush w/ 50.6 bbls to top perf. Avg psi=3714. Max psi=6135. Avg rate=20.3 bbl/min. Max rate=22.5 bbl/min. ISIP 3160. SIP 5min= 3068, 10 min= 3011, 15 min= 2983, 20 min= 2969, 25 min= 2953, 30 min= 2940. Shut in and R/D SLB. Open tbg up on 24/64 choke @ 2650 flow test. BBLs to recover 1269.	

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 02/11/2005	Report # : 63	End Time	Description
Summary : 1700 SIWP. open csg up on 24/64 choke. RIH w/ 10 jts. R/D Cudd snubbing unit. TIH w/ 63 jts and set packer @ 5642 w/ 180 jts in. R/U Stinger and install isolation tool. R/U Phoenix SL to pull from the 2.25 F-nipple. SLB spotted in equipment and rolled 3 frac tanks w/ 4% KCL. SWIFN.	6:00 PM	1700 SIWP. open csg up on 24/64 choke. RIH w/ 10 jts. R/D Cudd snubbing unit. TIH w/ 63 jts and set packer @ 5642 w/ 180 jts in. R/U Stinger and install isolation tool. R/U Phoenix SL to pull from the 2.25 F-nipple. SLB spotted in equipment and rolled 3 frac tanks w/ 4% KCL. SWIFN.	

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 02/10/2005	Report # : 62	End Time	Description
Summary : Hold safety meeting. 1750 SIWP. Open up on 24/64 choke. 700 SITP blew down. Pull 4 stds tbg started unloading fluid then died. POOH change over to 3 1/2 equipment. RIH w/ 2.25 F-nipple, ( w/ plug ) 5 1/2 AS1-X-10k packer, 2.31 F-nipple, 2 7/8 x 3 1/2 x- over and tally in 107 jts of 3 1/2 L-80 tbg. SWIFN.	6:00 PM	Hold safety meeting. 1750 SIWP. Open up on 24/64 choke. 700 SITP blew down. Pull 4 stds tbg started unloading fluid then died. POOH change over to 3 1/2 equipment. R+W rental fix pipe ram door on BOP. RIH w/ 2.25 F-nipple, ( w/ plug ) 5 1/2 AS1-X-10k packer, 2.31 F-nipple, 2 7/8 x 3 1/2 x- over and tally in 107 jts of 3 1/2 L-80 tbg. SWIFN.	

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/09/2005	61	6:00 PM	1700 SIWP. Open up on 24/64 choke. RIH w/ 17 jts tag @ 5382 R/U Graco foam unit. Clean out 200' of sand tag CBP @ 5580. R/U power swivel and drill out plug. Circulate clean. R/D power swivel and R/I to PBSD @ 6152. R/D Graco and POOH w/ 34 stds. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/07/2005	59	6:00 PM	320 SIWP. RIH w/ retev head and 168 jts. Tag 1' fill. Hold pre-safety meeting. R/U Graco foam unit and clean out and release RBP. R/D Graco start out of hole. RBP was hanging up L/D 1 jt. Pull 10 stds. PSI come up bringing sand washing out flow lines. 1200 psi on 32/64 choke R/U Cudd snubbing unit. Start out pull 4 stds got hung up work free. SWIFN. Unloaded 200 jts of 3 1/2 N-80 eue 8 rd tbg.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/06/2005	58	6:00 PM	Shut down.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/05/2005	57	6:00 PM	Shut down.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date	Report #	End Time	Description
02/04/2005	56	6:00 PM	120 SITP. Blew tbg down. RIH w/ swab and tag 500' of fluid. Swab dry in 2 runs. Wait 1 hour make dry run. Release tools and TOOH. SWIFN.

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 02/03/2005	Report # : 55	End Time	Description
Summary : 140 SITP. Blew tbg down. RIH/ w/ swab tag 600' fluid swab dry in 2 runs. Wait 1 hour make dry swab run. Release tools move up hole to Cutler Arkose @ 3178-3260. Set RBP @ 3494 and left PKR hanging @ 3131.R/U SLB to tbg. Hold pre- safety meeting. Pump 15 bbls down tbg and set PKR. Start job pump .5 bbls break formation @ 2440. PSI come up and break back @ 2662. Pump 15 bbls @ 1 bpm. ISIP=679 SIP 5 min=588, 10 min= 523, 15 min= 468. Blew tbg down and R/D SLB. RIH w/ swab Made 3 runs swab dry. Wait 2 hour and run in tag 400' swab dry 2 runs. Recovered 13 bbls. SWIFN.	6:00 PM	140 SITP. Blew tbg down. RIH/ w/ swab tag 600' fluid swab dry in 2 runs. Wait 1 hour make dry swab run. Release tools move up hole to Cutler Arkose @ 3178-3260. Set RBP @ 3494 and left PKR hanging @ 3131.R/U SLB to tbg. Hold pre- safety meeting. Pump 15 bbls down tbg and set PKR. Start job pump .5 bbls break formation @ 2440. PSI come up and break back @ 2662. Pump 15 bbls @ 1 bpm. ISIP=679 SIP 5 min=588, 10 min= 523, 15 min= 468. Blew tbg down and R/D SLB. RIH w/ swab Made 3 runs swab dry. Wait 2 hour and run in tag 400' swab dry 2 runs. Recovered 13 bbls. SWIFN.	

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 02/02/2005	Report # : 54	End Time	Description
Summary : 90 SITP. Blew tbg down. RIH w/ swab tag 400' fluid made 2 runs dried up. Wait 1 hour make dry run. Release PKR and RBP move up to honaker trail @ 3366-3378. Set RBP @ 3416 and left PKR hanging @ 3312. R/U SLB. to tbg. Hold pre-safety meeting. Pump 15 bbls and set PKR. Pressure test lines. Start job pump 0.4 bbls break formation @ 2630. Pump 15 bbls @ 1 bpm. ISIP= 757. SIP 5 min= 730, 10 min= 698, 15 min= 671. Blew tbg down to tank. RIH w/ swab made 3 runs dried up. GO to hourly Make 2 dry runs. recovered 12 bbls. SWIFN.	6:00 PM	90 SITP. Blew tbg down. RIH w/ swab tag 400' fluid made 2 runs dried up. Wait 1 hour make dry run. Release PKR and RBP move up to honaker trail @ 3366- 3378. Set RBP @ 3416 and left PKR hanging @ 3312. R/U SLB. to tbg. Hold pre-safety meeting. Pump 15 bbls and set PKR. Pressure test lines. Start job pump 0.4 bbls break formation @ 2630. Pump 15 bbls @ 1 bpm. ISIP= 757. SIP 5 min= 730, 10 min= 698, 15 min= 671. Blew tbg down to tank. RIH w/ swab made 3 runs dried up. GO to hourly Make 2 dry runs. recovered 12 bbls. SWIFN.	

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 02/01/2005	Report # : 53	End Time	Description
Summary : 10 SITP. Blew tbg down and RIH w/ swab tag 600' fluid. Made 2 runs dried up. Wait 1 hour make a run dry. Release packer and TOOH. Change out packer RIH release RBP and move up hole to honaker trail @ 3554-3800. Set RBP @ 3840 and left PKR hanging @ 3522. R/U SLB to the tbg. Hold pre-safety meeting. Pump 16 bbls and set PKR. Pressure test lines. Start job pump 0.5 bbls and break formation @ 2280. Pump 15.6 bbls @ 1bpm. ISIP 1281. SIP 5 min= 1183, 10 min= 1140, 15 min= 1111. Blew tbg down to tank. R/D SLB. R/U to swab made 3 runs dried up. Wait 1 hour make dry run. Recover 17 bbls. SWIFN.	6:00 PM	10 SITP. Blew tbg down and RIH w/ swab tag 600' fluid. Made 2 runs dried up. Wait 1 hour make a run dry. Release packer and TOOH. Change out packer RIH release RBP and move up hole to honaker trail @ 3554-3800. Set RBP @ 3840 and left PKR hanging @ 3522. R/U SLB to the tbg. Hold pre-safety meeting. Pump 16 bbls and set PKR. Pressure test lines. Start job pump 0.5 bbls and break formation @ 2280. Pump 15.6 bbls @ 1bpm. ISIP 1281. SIP 5 min= 1183, 10 min= 1140, 15 min= 1111. Blew tbg down to tank. R/D SLB. R/U to swab made 3 runs dried up. Wait 1 hour make dry run. Recovered 17 bbls. SWIFN.	

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/31/2005	Report # : 52	End Time	Description
Summary : 360 SITP. Blew tbg down. RIH w/ swab and make dry swab run. Release packer. TOOH. RIH w/ 5 1/2 PST-H-RBP and set @ 4084 and left packer hanging @ 3918. R/U Schlumberger to the tbg . Hold pre-safety meeting. Pump 18 bbls and set packer. PSI test lines. Start job on honaker trail @ 3952- 4048 pump 2 bbls break formation @ 3600 psi. Pump 15 bbls @ 1bpm. ISIP= 2023 SIP 5min= 1800, 10 min= 1720, 15 min= 1662. Blew tbg down to tank. R/D Schlumberger. RIH w/ swab made 5 swab runs dried up. Wait 1 hour make made dry run. Recovered 14.5 bbls left to recover 15.5. SWIFN.	6:00 PM	360 SITP. Blew tbg down. RIH w/ swab and make dry swab run. Release packer. TOOH. RIH w/ 5 1/2 PST-H-RBP and set @ 4084 and left packer hanging @ 3918. R/U Schlumberger to the tbg . Hold pre-safety meeting. Pump 18 bbls and set packer. PSI test lines. Start job on honaker trail @ 3952- 4048 pump 2 bbls break formation @ 3600 psi. Pump 15 bbls @ 1bpm. ISIP= 2023 SIP 5min= 1800, 10 min= 1720, 15 min= 1662. Blew tbg down to tank. R/D Schlumberger. RIH w/ swab made 5 swab runs dried up. Wait 1 hour and made dry run. recovered 14.5 bbls. Left to recover 15.5. SWIFN.	

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/30/2005	Report # : 51	End Time	Description
Summary : Shut down	6:00 PM	Shut down	

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/29/2005	Report # : 50	End Time	Description
Summary : 0 SIWP. R/U Halliburton to tbg and circulate the w/ 110 bbls of 4% KCL. Set AS1-packer @ 4864. Pre- safety meeting. Pressure test lines. Start job on honaker trail @ 4908-4920. Break formation @ 2260 pump 17.3 bbls @ 1 bpm. ISIP 1750. SIP 5 min=1672, 10 min= 1638, 15 min= 1617. Shut tbg in and R/D Halliburton. 1600 psi on tbg blew down. R/U to swaband swab tbg down. Wait 1 hour make dry run. Make 1 more hourly run dry. Recovered 26 bbls. left to recover 10 bbls. SWIFN.	6:00 PM	0 SIWP. R/U Halliburton to tbg and circulate the w/ 110 bbls of 4% KCL. Set AS1-packer @ 4864. Pre- safety meeting. Pressure test lines. Start job on honaker trail @ 4908-4920. Break formation @ 2260 pump 17.3 bbls @ 1 bpm. ISIP 1750. SIP 5 min=1672, 10 min= 1638, 15 min= 1617. Shut tbg in and R/D Halliburton. 1600 psi on tbg blew down. R/U to swaband swab tbg down. Wait 1 hour make dry run. Make 1 more hourly run dry. Recovered 26 bbls. left to recover 10 bbls. SWIFN.	

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/28/2005	Report # : 49	End Time	Description
Summary : 0 SIWP. R/U Graco foam unit. Get circulation and drill out CBP @ 4827. RIH tag cement @ 5120. Drill out and clean out sand down to RBP @ 5150. Circulate hole clean. R/D Graco foam unit. TOOH. RIH w/ 5 1/2 AS1- Packer and left hanging @ 4864 w/ 159 jts in. SWIFN.	6:00 PM	0 SIWP. R/U Graco foam unit. Get circulation and drill out CBP @ 4827. RIH tag cement @ 5120. Drill out and clean out sand down to RBP @ 5150. Circulate hole clean. R/D Graco foam unit. TOOH. RIH w/ 5 1/2 AS1- Packer and left hanging @ 4864 w/ 159 jts in. SWIFN.	

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/27/2005	Report # : 48	End Time	Description
Summary : 20 SITP. Blew down Make swab run dry. Release packer and TOO. RIH w/ 4 3/4 rock bit and tag CBP @ 3300. R/U to drill. R/U Graco foam unit. Hold pre-safety meeting. 0 psi on well get circulation and drill CBP. Clean up hole. RIH tag 2nd CBP. SWIFN.		6:00 PM	20 SITP. Blew down Make swab run dry. Release packer and TOO. RIH w/ 4 3/4 rock bit and tag CBP @ 3300. R/U to drill. Graco had to be pulled into location. R/U Graco foam unit. Hold pre-safety meeting. 0 psi on well get circulation and drill CBP. Clean up hole. Rack back power swivl. RIH tag 2nd CBP. Rig had to pour a new rope socket. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/26/2005	Report # : 47	End Time	Description
Summary : 10 SITP. Blew down tbg. Make swab run dry. Release packer and TOO. R/U Lone wolf to set 8k CBP @ 3300 and perforate cutler arkose @ 3210-3260, 3178-3184. 56' w/ 4 spf and 224 holes. Made 3 gun runs and well build up to 6 pds. R/D Lone wolf. Blew csg down and RIH w/ 5 1/2 AS1-packer and set @ 3150. RIH w/ swab and make dry run. Wait 1 hour macke dry run. Had little blow. SWIFN.		6:00 PM	10 SITP. Blew down tbg. Make swab run dry. Release packer and TOO. R/U Lone wolf to set 8k CBP @ 3300 and perforate cutler arkose @ 3210-3260, 3178-3184. 56' w/ 4 spf and 224 holes. Made 3 gun runs and well build up to 6 pds. R/D Lone wolf. Blew csg down and RIH w/ 5 1/2 AS1-packer and set @ 3150 w/ 103 jts in . RIH w/ swab and make dry run. Wait 1 hour macke dry run. Had little blow. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/25/2005	Report # : 46	End Time	Description
Summary : 0 SITP. Blew tbg down RIH w/ swab make dry run. Release packer and TOO. R/U Lone wolf to perforate interval # 8 honaker trail @ 3378-3366 12' w/ 4 spf and 48 holes. Made 1 gun run and had little blow. R/D Lone wolf and RIH w/ 5 1/2 AS1-packer set @ 3338 w/ 109 jts in. RIH w/ swab tag fluid @ 3000 made 2 swab runs dried up. Wait 2 hours made dry run. SWIFN.		6:00 PM	0 SITP. Blew tbg down RIH w/ swab make dry run. Release packer and TOO. R/U Lone wolf to perforate interval # 8 honaker trail @ 3378-3366 12' w/ 4 spf and 48 holes. Made 1 gun run and had little blow. R/D Lone wolf and RIH w/ 5 1/2 AS1-packer set @ 3338 w/ 109 jts in. RIH w/ swab tag fluid @ 3000 made 2 swab runs dried up. Wait 2 hours made dry run. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/24/2005	Report # : 45	End Time	Description
Summary : 10 SITP. Blew tbg down. RIH w/ swab make dry run. Release packer. TOO. R/U Lone wolf to perforate interval #7 honaker trail @ 3778-3800, 3656-3676, 3580-3600, 3554-3566. 74' w/ 4 spf and 296 holes. Made 4 gun runs. Had little blow. R/D Lone wolf. Blew csg down and RIH w/ 5 1/2 AS1- PKR. Set PKR @ 3523 w/ 115 jts in. RIH w/ swab made 2 swab runs dried up. Wait 1 hour and made dry run. SWIFN.		6:00 PM	10 SITP. Blew tbg down. RIH w/ swab make dry run. Release packer. TOO. R/U Lone wolf to perforate interval #7 honaker trail @ 3778-3800, 3656-3676, 3580-3600, 3554-3566. 74' w/ 4 spf and 296 holes. Made 4 gun runs. Had little blow. R/D Lone wolf. Blew csg down and RIH w/ 5 1/2 AS1- PKR. Set PKR @ 3523 w/ 115 jts in. RIH w/ swab made 2 swab runs dried up. Wait 1 hour and made dry run. SWIFN.

# REGULATORY COMPLETION SUMMARY



Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 01/23/2005 Report # : 44 End Time Description  
Summary : Shut Down. 6:00 PM Shut down.

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 01/22/2005 Report # : 43 End Time Description  
Summary : . Make dry swab run. Release packer and TOO. R/U Lone wolf to perforate interval # 6 honaker trail @ 3952-3970, 4032-4048. 34' w/ 4 spf and 136 holes. Added 20 bbls before shooting. Made 2 gun runs and had little blow. R/D Lone wolf. Blew csg down. RIH w/ 5 1/2 AS1 packer set @ 3917. RIH w/ swab tag fluid @ 2600. Made 2 runs swab dry. wait 1 hour and made dry run. SWIFN.

0 SITP. Make dry swab run. Release packer and TOO. R/U Lone wolf to perforate interval # 6 honaker trail @ 3952-3970, 4032-4048. 34' w/ 4 spf and 136 holes. Added 20 bbls before shooting. Made 2 gun runs and had little blow. R/D Lone wolf. Blew csg down. RIH w/ 5 1/2 AS1 packer set @ 3917. RIH w/ swab tag fluid @ 2600. Made 2 runs swab dry. wait 1 hour and made dry run. SWIFN.

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 01/21/2005 Report # : 42 End Time Description  
Summary : 0 SIWP. R/U Lone Wolf. RIH w/ 5 1/2 CBP and set @ 4827. Perforate interval # 5 honaker trail @ 4366-4374 w/ 4 spf and 32 holes. Made 1 gun run had little blow. R/D Lone Wolf. Blew csg down and RIH w/ 5 1/2 cst packer set @ 4317. R/U swab tag fluid @ 3500 swab down in 2 runs. Go to hourly runs. Made 2 dry runs. SWIFN.

Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 01/20/2005 Report # : 41 End Time Description  
Summary : 40 SIWP. Blew well down. RIH w/ 5 1/2 cst packer and set @ 4864. RIH w/ swab tag fluid @ 3700. Made 2 runs 2nd run dry. Wait 1 hour dry. Made 2 more runs hourly dry. Release packer. TOO. SWIFN.

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/19/2005	Report # : 40	End Time	Description
Summary : 1500 SIWP. R/U Lone Wolf to set 5 1/2 RBP w/ pressure gauges. Tag @ 4780. POOH. RIH w/ 4.75 JBGR and tag @ 4800 work down to 5160. POOH and RIH w/ 51/2 RBP w/ pressure gauges set @ 5150. Dump bail 2 sx of sand and 2 sx cement. Perforate interval # 4 honaker trail @ 4908- 4920. R/D Lone Wolf. SWIFN.		6:00 PM	1500 SIWP. R/U Lone Wolf to set 5 1/2 RBP w/ pressure gauges. Tag @ 4780. POOH. RIH w/ 4.75 JBGR and tag @ 4800 work down to 5160. POOH and RIH w/ 51/2 RBP w/ pressure gauges set @ 5150. Dump bail 2 sx of sand and 2 sx of cement. Perforate interval # 4 @ 4908- 4920. 4 spf 48 holes. Made 1 gun run 0 psi after shooting. R/D Lone wolf. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/18/2005	Report # : 39	End Time	Description
Summary : 480 Flowing perssure on 32/64 choke making 2.8 mmcfs. Recovered 7 bbls. Total recovered 443. Left to recover 1146 R/U Phoenix service and run TD. Tag @ 5380. 200 ft fill. R/D Phoenix service. Flow Test on 32/64 Choke. Recovered 4 bbls. Total bbls recovered 447. Left to recover 1142. SWIFN.		6:00 PM	480 Flowing perssure on 32/64 choke making 2.8 mmcfs. Recovered 7 bbls. Total recovered 443. Left to recover 1146 R/U Phoenix service and run TD. Tag @ 5380. 200 ft fill. R/D Phoenix service. Flow Test on 32/64 Choke. Recovered 4 bbls. Total bbls recovered 447. Left to recover 1142. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/17/2005	Report # : 38	End Time	Description
Summary : 700 psi on 24/64 choke @ 3.2 MMCFS. Open up on 32/64 choke. Flow test. PSI @ 500 making 2.9 mmcfs. Recovered 36 bbls. Total recovered 436. Left to recover 1153. Making trace of oil and on H2S. Left well flowing to flow back tank.		6:00 PM	700 psi on 24/64 choke @ 3.2 MMCFS. Open up on 32/64 choke. Flow test. PSI @ 500 making 2.9 mmcfs. Recovered 36 bbls. Total recovered 436. Left to recover 1153. Making trace of oil and on H2S. Lisbon plant come up and took gas sample. Left well flowing to flow back tank

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/16/2005	Report # : 37	End Time	Description
Summary : Repair flow back tank. 1700 SIWP. Open well up on 24/64 choke. Flow test.		6:00 PM	Repair flow back tank. 1700 SIWP. Open well up on 24/64 choke. Flow test.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/15/2005	Report # : 36	End Time	Description
Summary : Well flowing @ 700 psi on 24/64 choke. Recovered 363 bbls over night. BBLs left to recover 1226 from 1589 total. Put in 32/64choke. Flow test. Recovered 37 bbls and tank washed out. Left to recover 1189. Total recover 499 bbls. SWIFN.		3:00 PM	Well flowing @700 psi on 24/64 choke. Recovered 363 bbls overnight making 2.3 mmcfs. BBLs left to recover 1226. Put well on 32/64 choke flow test. recover 37 bbls tank washed out. shut well in. Left to recover 1189. Total 400 bbls. No H2S and trace of oil. SWIFN.

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/14/2005	Report # : 34	End Time	Description
Summary : 230 SIWP. R/U Stinger and install tool. R/U BJ service. Hold pre-safety meeting. Slickwater Frac interval # 3 lower honaker trail W/ 65,000# of 20/40 white sand. Avg psi 3500. Max psi 5115. ISIP 2350. R/D BJ and Stinger. Open well up W/ 1250 on 24/64 choke. Flow back.		6:00 PM	230 SIWP. R/U stinger and install tool. R/U BJ service. Hold pre-safety meeting. Pressure test lines to 7200. Start job frac treat interval # 3 lower honaker trail @ 5376-5378, 5398-5400, 5428-5430 W/ slickwater. Pump 37 bbls of treated water to fill the hole. Pump 500 gals of 15% HCL. Start pad formation broke @ 4900 psi W/ 45.5 bbls min. Had 10 stages pump 65000 # of 20/40 white sand. Avg bbls per min 45.5. Avg psi 3500. Max psi 5115. ISIP 2350 SIP 5 min 2208, 10 min 2128, 15 min 2044, 20 min 1973, 25 min 1912, 30 min 1865. Shut well in. R/D BJ service and Stinger pull isolation tool. Open well up on 24/64 choke to flow back tank. Fluid to recover 1589. Left well flowing W/ flow back crew

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/13/2005	Report # : 33	End Time	Description
Summary : 0 SITP. R/U Phoenix to pull pressure gauges. R/U swab tbg dry. Test. POOH and get set up to frac. SWIFN.		6:00 PM	0 SIWP. R/U Phoenix Service to retrieve pressure gauges. R/D Phoenix. R/U and swab tbg dry. Wait 1 hr and make dry run. Had a little blow. Release packer and POOH. R/D floor and get set up for frac. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/12/2005	Report # : 32	End Time	Description
Summary : 450 SIWP. RIH W/ 5 1/2 PKR. R/U Phoenix to set pressure gauges. R/U Halliburton and pump DFIT. SWIFN.		6:00 PM	450 SIWP. Blew well down to tank. RIH W/ 5 1/2 cst packer and set @ 5321 W/ 174 jts in. R/U Phoenix service to run in set pressure gauges in 1.81 F- nipple below packer. R/D Phoenix services. R/U Halliburton to the tbg open bby-pass circulate the hole W/ 100 bbls of 4% KCL. Shut by-pass. Put 500 psi on csg. Start DFIT break formatin @ 2806. Establish rate @ 3761. Pump 10 bbls @ 4 bbls min. ISIP 1970. SIP 5 min 711, 10 min 502, 15 min 406, 20 min 341, 25 min 294, 30 min 261. SWIFN. R/D Halliburton.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/11/2005	Report # : 31	End Time	Description
Summary : 300 SIWP. R/U Lone Wolf. Set CBP @ 5580. Perforate Lower Honaker Trail @ 5428- 5430, 5393-5400, 5376- 5378. 4 SPF W/ 24 holes. Made 1 gun run. R/D Lone Wolf. SWIFN		6:00 PM	300 SIWP. R/U Lone Wolf. Set CBP @ 5580. Perforate Lower Honaker Trail @ 5428- 5430, 5393-5400, 5376- 5378. 4 SPF W/ 24 holes. Made 1 gun run. R/D Lone Wolf. SWIFN

# REGULATORY COMPLETION SUMMARY



Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/10/2005	Report # : 30	End Time	Description
Summary : 750 SITP. Open tbg up to tank blew down in 15 mins. Started unloading oil. Flow for 45 mins then died . Made 5 bbls. Get gas and oil sample take to Lisbon plant. Little blow on tbg run in w/ swab tag fluid @ 4000. Made 2 runs and dried up. Wait 1 hr made dry run. Had little blow. Swab back 5 bbls. Total bbls 10. Release packer and pooh. SWIFN.		6:00 PM	750 SITP. Open tbg up to tank blew down in 15 mins. Started unloading oil. Flow for 45 mins then died . Made 5 bbls. Get gas and oil sample take to Lisbon plant. Little blow on tbg run in w/ swab tag fluid @ 4000. Made 2 runs and dried up. Wait 1 hr made dry run. Had little blow. Swab back 5 bbls. Total bbls 10. Release packer and pooh. SWIFN.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/09/2005	Report # : 29	End Time	Description
Summary : Shut Down.		6:00 PM	Shut Down.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/08/2005	Report # : 28	End Time	Description
Summary : Shut Down.		6:00 PM	Shut Down.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/07/2005	Report # : 27	End Time	Description
Summary : 580 SITP. Open up on 32/ 64 choke. Blew down to 0 in 15 min. Started unloading oil for 10 min. Made 5 bbls then tbg died. R/I swab tag fluid @ 3400. Made 2 runs dry up. Make hourly runs. Maade 8 swab runs recovered 9 bbls gas cut fluid and oil. Recover 14 bbls total. SWIFW.		6:00 PM	580 SITP. Open up on 32/ 64 choke. Blew down to 0 in 15 min. Started unloading oil for 10 min. Made 5 bbls then tbg died. R/I swab tag fluid @ 3400. Made 2 runs dry up. Make hourly runs. Maade 8 swab runs recovered 9 bbls gas cut fluid and oil. Recover 14 bbls total. SWIFW.

Well Name : Big Indian 35-24

API : 4303731829

Area : Big Indian

Ops Date : 01/06/2005	Report # : 26	End Time	Description
Summary : 400 SITP. 325 SICP. Blew tbg down. R/I W/ swab and tag @ 4700 made 2 runs. Wait 1 hour pull dry. Release PKR and move up to 5657 W/ 185 jts in. Swab test interval # 1 and # 2 Ismay, Honaker trail. R/I swab tag fluid @ 3800 made 2 runs dry. Go to hourly. Made a total of 7 swab runs. Swab back 8 bbls. Had little blow after eash run and made some oil. SWIFN.		6:00 PM	400 SITP. 325 SICP. Blew tbg down. R/I W/ swab and tag @ 4700 made 2 runs. Wait 1 hour pull dry. Release PKR and move up to 5657 W/ 185 jts in. Swab test interval # 1 and # 2 Ismay, Honaker trail. R/I swab tag fluid @ 3800 made 2 runs dry. Go to hourly. Made a total of 7 swab runs. Swab back 8 bbls. Had little blow after eash run and made some oil. SWIFN.

# REGULATORY COMPLETION SUMMARY



Well Name : **Big Indian 35-24**

API : 4303731829

Area : Big Indian

Ops Date : 01/05/2005	Report # : 25	End Time	Description
Summary : 300 SITP. 700 SICP. Blew tbg down and no flow. Blew csg down. POOH. RIH W/ 5 1/2 R-3 packer and set it @ 5838 W/ 191 jts in. R/U to swab interval # 1 lsmay @ 5880 - 5910 and tag fluid @4800. Made 2 runs dried up. Go to hourly runs. Made 3 dry runs. Recovered 4 bbls. Left to recover 559. SWIFN.		6:00 PM	300 SITP. 700 SICP. Blew tbg down and no flow. Blew csg down. POOH. RIH W/ 5 1/2 R-3 packer and set it @ 5838 W/ 191 jts in. R/U to swab interval # 1 lsmay @ 5880 - 5910 and tag fluid @4800. Made 2 runs dried up. Go to hourly runs. Made 3 dry runs. Recovered 4 bbls. Left to recover 559. SWIFN.

Well Name : **Big Indian 35-24**

API : 4303731829

Area : Big Indian

Ops Date : 01/04/2005	Report # : 24	End Time	Description
Summary : 440 SITP. 800 SICP. Blow tbg down to tank. R/u Phoenix and Prootechics to run RA log. RIH W/ RA logging tools. Tag PBTD @ 6142 and log up to 5400. R/D Phoenix and Protechics. RIH W/ swab and tag fluid @ 3200 made 3 runs and kick tbg off. TBG flowed for 45 min then died. Flowed and swab back 20 bbls. Make swab run tag @ 5000 ft. Go to hourly runs. BBLs recovered 26 bbls. Left to recover 363. Well is making oil. SWIFN.		6:00 PM	440 SITP. 800 SICP. Blow tbg down to tank. R/u Phoenix and Prootechics to run RA log. RIH W/ RA logging tools. Tag PBTD @ 6142 and log up to 5400. R/D Phoenix and Protechics. RIH W/ swab and tag fluid @ 3200 made 3 runs and kick tbg off. TBG flowed for 45 min then died. Flowed and swab back 20 bbls. Make swab run tag @ 5000 ft. Go to hourly runs. BBLs recovered 26 bbls. Left to recover 363. Well is making oil. SWIFN.

Well Name : **Big Indian 35-24**

API : 4303731829

Area : Big Indian

Ops Date : 01/03/2005	Report # : 23	End Time	Description
Summary : 620 psi csg. 630 psi tbg. Blow tbg Down To Tank. R/U To Swab. Tag Fluid @ 1900 ft. Made 5 Runs And Swab Back 30 bbls. TBG Started Flowing Recovered 35 bbls . TBG Died Run In W/ Swab Pull From Profile Nipple Gas Cut Fluid. Swab Test Hourly. Total bbls Recovered 79. Left To Recover 389. SWIFN.		6:00 PM	620 psi csg. 630 psi tbg. Blow tbg Down To Tank. R/U To Swab. Tag Fluid @ 1900 ft. Made 5 Runs And Swab Back 30 bbls. TBG Started Flowing Recovered 35 bbls . TBG Died Run In W/ Swab Pull From Profile Nipple Gas Cut Fluid. Swab Test. Total bbls Recovered 70. Left To Recover 398. SWIFN.

Well Name : **Big Indian 35-24**

API : 4303731829

Area : Big Indian

Ops Date : 01/02/2005	Report # : 22	End Time	Description
Summary : shut well in.		6:00 PM	shut well in.

Well Name : **Big Indian 35-24**

API : 4303731829

Area : Big Indian

Ops Date : 01/01/2005	Report # : 21	End Time	Description
Summary : Shut well in.		6:00 PM	Shut well in.

# REGULATORY COMPLETION SUMMARY



Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 12/31/2004 Report # : 20 End Time Description  
6:00 PM

Summary : 0 SIWP. R/U To Swab. Fluid Level @ Surface. Made 9 Runs Swab Down To 2500 And Started Seeing Gas. Fluid Come Up To 1900. Made 14 Runs Recover 82 bbls. BBLs Left Recover 468. SWIFW.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 12/30/2004 Report # : 19 End Time Description  
6:00 PM

Summary : 540 psi tbg. 480 psi csg. Blow Well Down. RIH Tag @5845. R/ U Power Swivel And Clean Out 5ft Of Sand. Drill Out CBP @ 5850. RIH Tag @ 6060 And Clean Out To PBTD @ 6152. Circulate Hole Clean. TOOH Take Off Bit. RIH Open Ended To 5590 W/ 183 in. NO H2S. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 12/29/2004 Report # : 18 End Time Description  
6:00 PM

Summary : 800 SICP. Open Up On 24/ 64 Choke To Tank. Pressure Come Down To 140. Started Unloading Fluid ( Oil ). Pressure Come Up To 340 And Was Blowing A Mist. Open Well Up On 2" And Died. Recovered 40 bbls. Left To Recover 500 bbls. RIH W/ 4 3/4 Rock Bit And Tag CBP @ 5845. Pull Above Perfs @ 5710. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 12/28/2004 Report # : 17 End Time Description  
6:00 PM

Summary : Well Shut In.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 12/27/2004 Report # : 16 End Time Description  
6:00 PM

Summary : Well shut In.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian

Ops Date : 12/26/2004 Report # : 15 End Time Description  
6:00 PM

Summary : well Shut in.

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# REGULATORY COMPLETION SUMMARY



Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/25/2004 Report # : 14 End Time Description  
Summary : Well Shut In. 6:00 PM Well Shut In.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/24/2004 Report # : 13 End Time Description  
Summary : Well Flowing To Tank. @ 25 psi On 48/ 64 Choke Flowed 24 Hrs. Recovered 105 bbls . Total bbls= 537. Total Load To Recover= 642. Well Started Blowing Dry @ 25 psi. BBLs Recovered 0. SWIFN. 6:00 PM Well Flowing To Tank. @ 25 psi On 48/ 64 Choke Flowed 24 Hrs. Recovered 105 bbls . Total bbls= 537. Total Load To Recover= 642. Well Started Blowing Dry @ 25 psi. BBLs Recovered 0. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/23/2004 Report # : 12 End Time Description  
Summary : R/U BJ Service To Stinger. Hold Pre-Safety Meeting. Pressure Test Lines. Stinger Open Valve And Had Ice Plug In Isolation Tool. Frac Treat Interval #2 Lower Honaker Trail @ 5710-5740. Shut In PSI 2560. Start W/ Clay Fix Water Pump 18 bbls @ 3800 psi 8 bbls Min. Stage 500 Gals Of Acid. Start Pad Pump 49,444 lbs Of 20/40 White Sand. # 1 To #5 Intervals Nitrified Frac. Avg psi 4142 & Max psi 4632. Avg psi 9.6 & Max psi 10.6. ISIP 4128, 5 min = 3990, 10 min = 3950, 15 min = 3920. Shut Well In And R/D BJ Service From Stinger. Stinger Pulled Isolatin Tool. open Well Up On 20/ 64 Choke To Flow Back Tank. Had 3900 psi. Total bbls To Recover From Stage # 1 And # 2 642 bbls. Flow Back Frac. 7:00 PM R/U BJ Service To Stinger. Hold Pre-Safety Meeting. Pressure Test Lines. Stinger Open Valve And Had Ice Plug In Isolation Tool. Frac Treat Interval #2 Lower Honaker Trail @ 5710-5740. Shut In PSI 2560. Start W/ Clay Fix Water Pump 18 bbls @ 3800 psi 8 bbls Min. Stage 500 Gals Of Acid. Start Pad Pump 49,444 lbs Of 20/40 White Sand. # 1 To #5 Intervals Nitrified Frac. Avg psi 4142 & Max psi 4632. Avg psi 9.6 & Max psi 10.6. ISIP 4128, 5 min = 3990, 10 min = 3950, 15 min = 3920. Shut Well In And R/D BJ Service From Stinger. Stinger Pulled Isolatin Tool. open Well Up On 20/ 64 Choke To Flow Back Tank. Had 3900 psi. Total bbls To Recover From Stage # 1 And # 2 642 bbls. Flow Back Frac.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/22/2004 Report # : 11 End Time Description  
Summary : 20 Shut in psi. R/U Stiner & Install Tool. R/U BJ Service. Hold Pre-Safety Meeting And JSA. Perform Stage # 1 Frac W/ Tracer On Interval # 1 Ismay @ 5880-5910. Fill Hole W/ 59 bbls Broke Formation @ 3965 Bull Head 500 Gals Of Acid . Pump Nitrified Frac. Interval W/ 20/40 51,576 lbs 1# To 4# Intervals. Avg Pressure 4150 And 24 bbls Min. ISIP 3390 Measure 5 = 3132 , 10 = 3076, 15 = 3037, SIP. R/D BJ Service And Pull Stingers Tool. R/U Lone Wolf W.L. RIH W/ Plug & Gun Combo. Set Flow Thur Plug @ 5850. Perforate Interval # 2 Lower Honaker Trail @ 5710- 5740. W/ 4 spf And 120 Holes. 2 Gun Runs. R/D Lone Wolf. R/U Stinger And Install Tool. SWIFN. 6:00 PM 20 Shut in psi. R/U Stiner & Install Tool. R/U BJ Service. Hold Pre-Safety Meeting And JSA. Perform Stage # 1 Frac W/ Tracer On Interval # 1 Ismay @ 5880-5910. Fill Hole W/ 59 bbls Broke Formation @ 3965 Bull Head 500 Gals Of Acid . Pump Nitrified Frac. Interval W/ 20/40 1# To 4# Intervals. Avg Pressure 4150 And 24 bbls Min. ISIP 3390 Measure 5, 10, 15, SIP. R/D BJ Service And Pull Stingers Tool. R/U Lone Wolf W.L. RIH W/ Plug & Gun Combo. Set Flow Thur Plug @ 5850. Perforate Interval # 2 Lower Honaker Trail @ 5710- 5740. W/ 4 spf And 120 Holes. 2 Gun Runs. R/D Lone Wolf. R/U Stinger And Install Tool. SWIFN.

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# REGULATORY COMPLETION SUMMARY



Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/21/2004 Report # : 10 End Time Description  
Summary : Shut In PSI 250 TBG. Blow Down To Tank. Make Swab Run. Dry. Release Packer TOO. SWIFN. 6:00 PM Shut In PSI 250 TBG. Blow Down To Tank. Make Swab Run. Dry. Release Packer TOO. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/20/2004 Report # : 9 End Time Description  
Summary : R/U Lone Wolf To Perforate Interval # 1@ 5910 - 5880. Made 2 Gun Runs. 30 ft. 4 JSPF W/ 120 Holes. 0 psi Open Up To Pit And Had Little Blow. R/D Lone Wolf. RIH W/ 5 1/2 R-3 Paccker. Set @ 5840 W/ 191 JTS In. R/U Swab And Swab TBG Dry. Wait 1 Hour. Made Dry Swab. Little Blow And No H2S. SWIFN. 6:00 PM R/U Lone Wolf To Perforate Interval # 1@ 5910 - 5880. Made 2 Gun Runs. 30 ft. 4 JSPF W/ 120 Holes. 0 psi Open Up To Pit And Had Little Blow. R/D Lone Wolf. RIH W/ 5 1/2 R-3 Paccker. Set @ 5840 W/ 191 JTS In. R/U Swab And Swab TBG Dry. Wait 1 Hour. Made Dry Swab. Little Blow And No H2S. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/19/2004 Report # : 8 End Time Description  
Summary : Shut Down. Shut Down.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/18/2004 Report # : 7 End Time Description  
Summary : Shut Down Shut Down

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/17/2004 Report # : 6 End Time Description  
Summary : TIH With 147 JTS. Tag @ 6152 W/ 202 In Up 13 ft. Pressure Test To 3000 Hold For 15 Min. Tested Bleed Pressure Off. R/U Swab. Swab Well Down To 2000 ft. TOO. SWIFN. 6:00 PM TIH With 147 JTS. Tag @ 6152 W/ 202 In Up 13 ft. Pressure Test To 3000 Hold For 15 Min. Tested Bleed Pressure Off. R/U Swab. Swab Well Down To 2000 ft. TOO. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/16/2004 Report # : 5 End Time Description  
Summary : Move Rig in And Rig Up. Rig Up Lone Wolf To Run CBL. Spot In Rig Equipment. Hook Up Flow Lines To Tank. Unload 208 JTS Of 2 3/8 L-80 TBG. Spot In 5 Frac Tanks. Haul In 270 bbls 4% KCL To Upright. R/D Lone Wolf. TIH With 4 3/4 Rock Bit, Scaper, 1.81 And 1.87 F Nipple And 55 JTS. SWIFN. 6:00 PM Move Rig in And Rig Up. Rig Up Lone Wolf To Run CBL. Spot In Rig Equipment. Hook Up Flow Lines To Tank. Unload 208 JTS Of 2 3/8 L-80 TBG. Spot In 5 Frac Tanks. Haul In 270 bbls 4% KCL To Upright. R/D Lone Wolf. TIH With 4 3/4 Rock Bit, Scaper, 1.81 And 1.87 F Nipple And 55 JTS. SWIFN.

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Well Name : **Big Indian 35-24** API : 4303731829 Area : Big Indian  
Ops Date : 12/10/2004 Report # : 4 End Time Description  
Summary : Enter the description here





# REGULATORY DRILLING SUMMARY



Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 12/06/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 19  
Spud Date : 11/17/2004 Days From Spud : 19 Depth At 06:00 : 6018  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :  
SPR: #1-60spm= 300psi @ 6005'

Time To	Description
7:00 AM	Finish trip in hole.
1:30 PM	Drig f 5,841' t 5,879'
2:00 PM	Service rig
6:00 AM	Drig f 5,879' t 6,018'

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 12/05/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 18  
Spud Date : 11/17/2004 Days From Spud : 18 Depth At 06:00 : 5841  
Morning Operations : Trip in hole Estimated Total Depth : 6100

Remarks :  
Mud motor failed.

Time To	Description
1:00 PM	Drig f 5,713' t 5,815'
1:30 PM	Service rig
6:00 PM	Drig f 5,815' t 5,841'
6:00 AM	Drop survey, trip for bit. Lay down MM & teledrift

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 12/04/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 17  
Spud Date : 11/17/2004 Days From Spud : 17 Depth At 06:00 : 5713  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :

Time To	Description
3:30 PM	Drig f 5,450' t 5,567'
4:00 PM	Service rig
7:00 PM	Drig f 5,567' t 5,598'
7:30 PM	Change swab in #1 pump
6:00 AM	Drig f 5,598' t 5,713'

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 12/03/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 16  
Spud Date : 11/17/2004 Days From Spud : 16 Depth At 06:00 : 5450  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :

Time To	Description
2:30 PM	Drig f 5,150' t 5,225'
3:00 PM	Service rig.
6:00 AM	Drig f 5,225' t 5,450'



# REGULATORY DRILLING SUMMARY



Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/29/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 12  
Spud Date : 11/17/2004 Days From Spud : 12 Depth At 06:00 : 4315  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :  
SPR: #1-42spm = 325psi @ 4,292'

Time To	Description
7:30 AM	Drig f 3,756' t 3,782'.
8:30 AM	Repair #2 pump, repair #1 popoff valve
3:00 PM	Drig F 3,782' T 3,952'
4:00 PM	Circulate hole clean, unload 5 1/2" csg
6:00 PM	Drig f 3,952' t 4,044'
6:30 PM	Service rig.
6:00 AM	Drig f 4,044' t 4,315'

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/28/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 11  
Spud Date : 11/17/2004 Days From Spud : 11 Depth At 06:00 : 3756  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :  
SPR #2: 55spm=315psi @ 3,559'  
#1: 48spm=300psi @ 3,735'

Time To	Description
7:00 AM	Drig f 3,134' t 3,146'
1:00 PM	Trip for bit #5, fuction test BOPS', wash 94' to bottom. Had 20' of fill.
4:30 PM	Drig f 3,146' t 3,333'
5:00 PM	Service rig
11:30 PM	Drig. f 3,333' t 3,642'
12:00 AM	Survey @ 3,597'- 2deg
1:00 AM	Drig f 3,642' t 3,673'
3:00 AM	Repair pumps
6:00 AM	Drig f 3,673' t 3,756'

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/27/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 10  
Spud Date : 11/17/2004 Days From Spud : 10 Depth At 06:00 : 3134  
Morning Operations : Drill Estimated Total Depth : 6100

Remarks :  
SPR:#1- 55 SPM=300 PSI @2,888'

Time To	Description
9:30 AM	Drig f 2,605' t 2,673'.
10:00 AM	Service rig.
2:30 PM	Drig f2,673' t 2,756'.
3:00 PM	Survey @ 2,756'
5:30 PM	Drig f 2,756' t 2,884'.
6:00 PM	Replace air hose on rotary clutch.
6:00 AM	Drig f 2,884' t 3,134'

# REGULATORY DRILLING SUMMARY



Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/26/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 9  
Spud Date : 11/17/2004 Days From Spud : 9 Depth At 06:00 : 2605  
Morning Operations : Drilling Estimated Total Depth : 6100

Remarks :  
Start mud up at bottom of 9 5/8" csg.

Time To	Description
7:00 AM	Finish nipple up BOPS'
12:30 PM	Test pipe & blind rams, kelly, manifold and lines to 3000psi, hydril to 1500psi. Test 9 5/8" csg to 1500psi.
3:30 PM	Install wear bushing, trip in hole w/ BHA.
4:30 PM	Cut DL.
6:30 PM	Finish TIH to PBTD OF 2,343'.
8:00 PM	Drill wiper plug, float collar and 15 ft solid cmt to 2,360', test float collar and 9 5/8" csg to 950psi.
8:30 PM	Drill solid cmt in cmt jt to 2,373' Survey @ 2,343'-2 deg.
6:00 AM	Drig f 2,373 t 2,605'.

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/25/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 8  
Spud Date : 11/17/2004 Days From Spud : 8 Depth At 06:00 : 0  
Morning Operations : Nipple up BOPS' Estimated Total Depth : 6100

Remarks :  
Corrected TD 2,373'  
PBTD 2,344'

Time To	Description
12:00 PM	Run 56 jts, J-55, 36#, ST&C, 9 5/8" casing =2,396.83 set @ 2,373'
1:30 PM	Circulate casing, prepare to cmt casing
4:00 PM	Mixed and pumped 504sks Prem. Lite mixed @ 12ppg, slurry volume 199bbls and 281sks Type III, mixed at 14.5ppg, slurry volume 70 bbls. Had 68 bbls cmt returns. Had full returns and was able to work csg until last 43bbls of displacement. final pressure 1000psi, release pressure, floats held.
11:00 PM	Cut conductor and 9 5/8" casing, nipple up 9 5/8" SOW X 11", 3M casing head. Test to 1500psi.
6:00 AM	Nipple up BOPS'

Well : **Big Indian 35-24** API # : 4303731829 Operations Date : 11/24/2004  
Surface Location : SENE-35-29S-24 E 6th PM Area : Big Indian Report # : 7  
Spud Date : 11/17/2004 Days From Spud : 7 Depth At 06:00 : 2390  
Morning Operations : Run 9.625 casing. Estimated Total Depth : 6100

Remarks :  
On trip out of hole had tight spot at 1200'

Time To	Description
9:00 AM	Drig f 2,240' t 2,264'
9:30 AM	Service rig.
10:30 PM	Drig f 2,264' t2,390'.
11:30 PM	Circulate hole clean.
2:30 AM	TOOH
6:00 AM	Run 9 5/8" csg.





**COPY**

Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

**013**

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE**

**CONFIDENTIAL**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UT-77077
2. Name of Operator: EnCana Oil & Gas (USA) Inc.		6. If Indian, Allotte or Tribe Name NA
3. Address and Telephone No. 370 Seventeenth Street, Suite 1700, Denver, CO 80202		7. If Unit or CA/Agreement Designation NA
4. Location of Well (Footage, T, R, M, or Survey Description) SENE Sec 35-29S-24E 2167' FNL, 850' FEL		8. Well Name and No. Big Indian 35-24
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. API Well No. 43-037-31829
TYPE OF SUBMISSION		10. Field and Pool, or Exploratory Area Big Indian
TYPE OF ACTION		11. County or Parish, State San Juan, Utah

**RECEIVED**  
**APR 29 2005**  
DIV. OF OIL, GAS & MINING

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (start/resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	First Sales _____
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

The Big Indian 35-24 was turned to sales on 4/3/05 at the following rates:

Gas	3144 MCFD
Oil	48.5 BOPD
Water	42 BWPD

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

Name (Printed/Typed) Jane Washburn	Title Operations Engineering Technician
Signature <i>Jane Washburn</i>	Date 04/25/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for ny 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.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-077077</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>EnCana Oil &amp; Gas (USA) Inc.</b>		8. WELL NAME and NUMBER: <b>Big Indian #35-24</b>
3. ADDRESS OF OPERATOR: <b>370 17th St, Suite 1700</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>4303731829</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2167' FNL and 850' FEL</b>		10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 35 29S 24E S</b>		COUNTY: <b>San Juan</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Wildcat Designation</u>

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

EnCana Oil & Gas (USA) Inc. request the subject well be designated as a wildcat well. This well was spud on 11/7/04 and there are no producing wells within a 1 mile radius of the wellsite. This well is producing from the Hermosa formation.

**RECEIVED**

**MAR 30 2009**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Jevin Croteau</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE	DATE <u>3/30/09</u>

(This space for State use only)

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**

cc: Tax Commission (email)

DATE: 4/22/09 (See Instructions on Reverse Side)

BY:

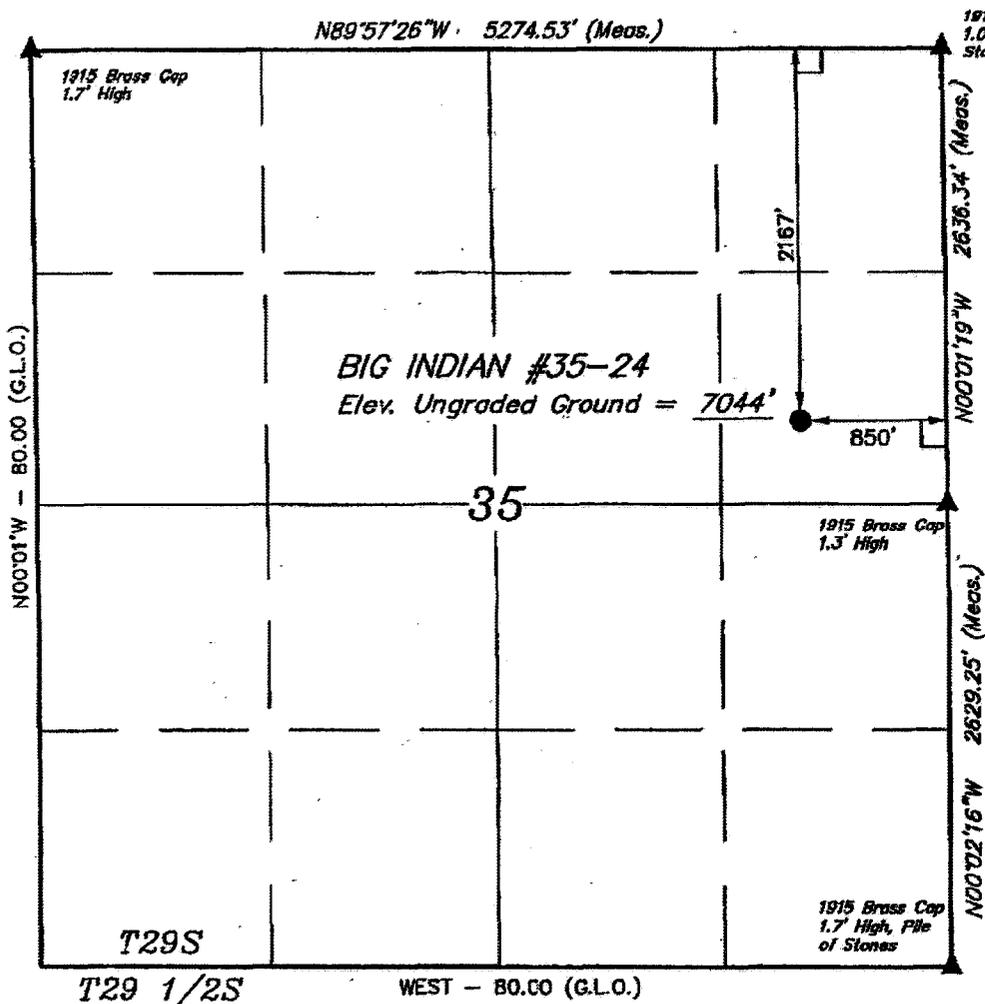
\* See Statement of Basis (Attached)

(5/2000)

T29S, R24E, S.L.B.&M.

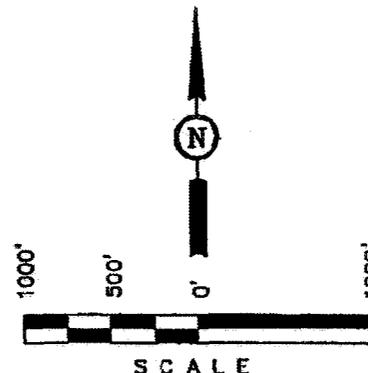
TOM BROWN INC.

Well location, BIG INDIAN #35-24, located as shown in the SE 1/4 NE 1/4 of Section 35, T29S, R24E, S.L.B.&M. San Juan County, Utah.



**BASIS OF ELEVATION**

BENCH MARK (LA SAL 7207) LOCATED NEAR 1/4 CORNER ON THE WEST LINE OF SECTION 34, T29S, R24E, S.L.B.&M. TAKEN FROM THE SANDSTONE DRAW QUADRANGLE, UTAH, SAN JUAN COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7207 FEET.



**CERTIFICATE**

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.

*Robert Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 07-24-03	DATE DRAWN: 07-31-03
PARTY J.F.    A.F.    D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE TOM BROWN INC.	

**LEGEND:**

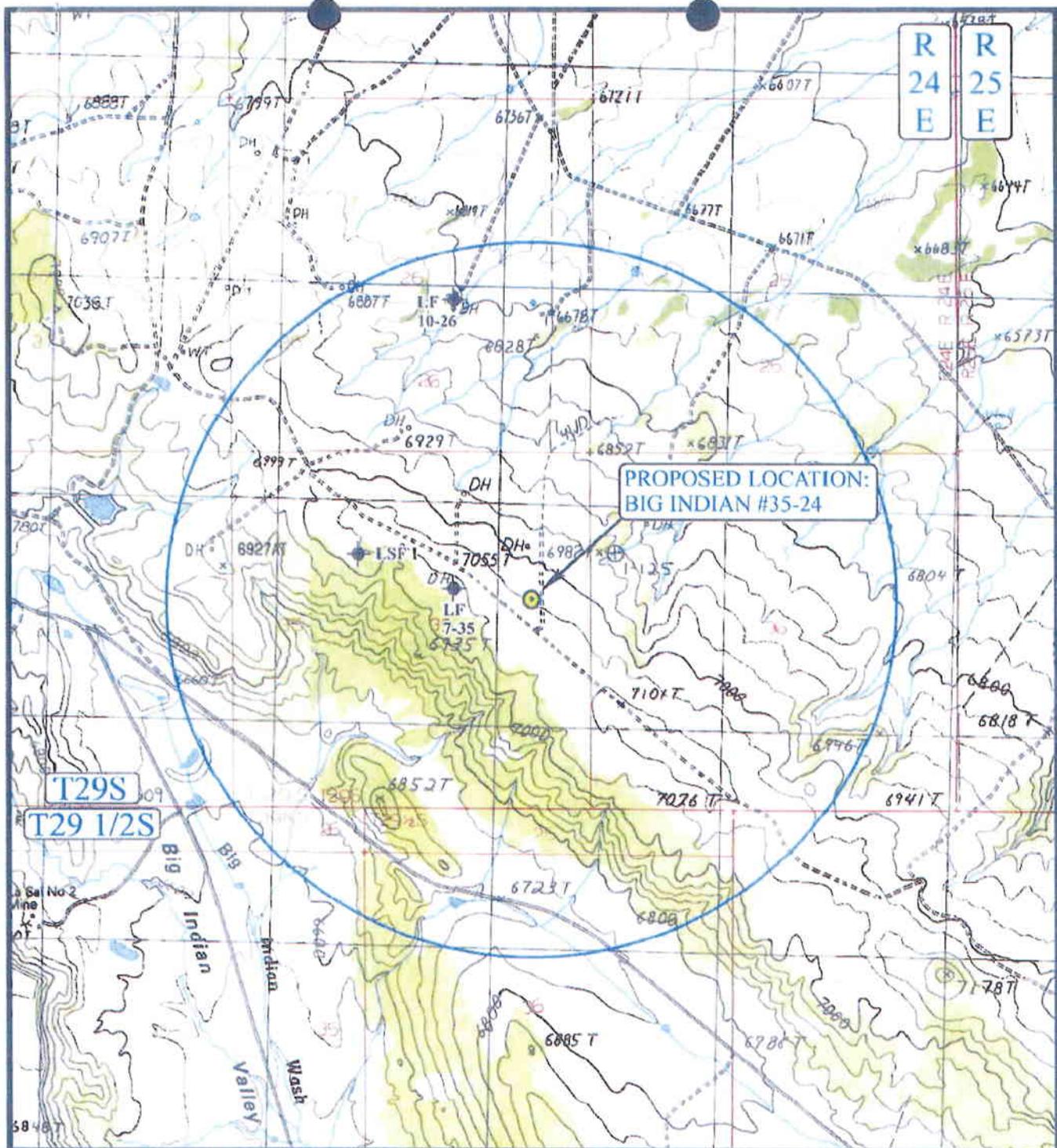
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.  
 (AUTONOMOUS NAD 83)  
 LATITUDE = 38°14'19.83" (38.238842)  
 LONGITUDE = 109°14'21.69" (109.239358)

T29 1/2S

WEST - 80.00 (G.L.O.)



**LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**TOM BROWN INC.**

**BIG INDIAN #35-24**  
 SECTION 35, T29S, R24E, S.L.B.&M.  
 2167' FNL 850' FEL

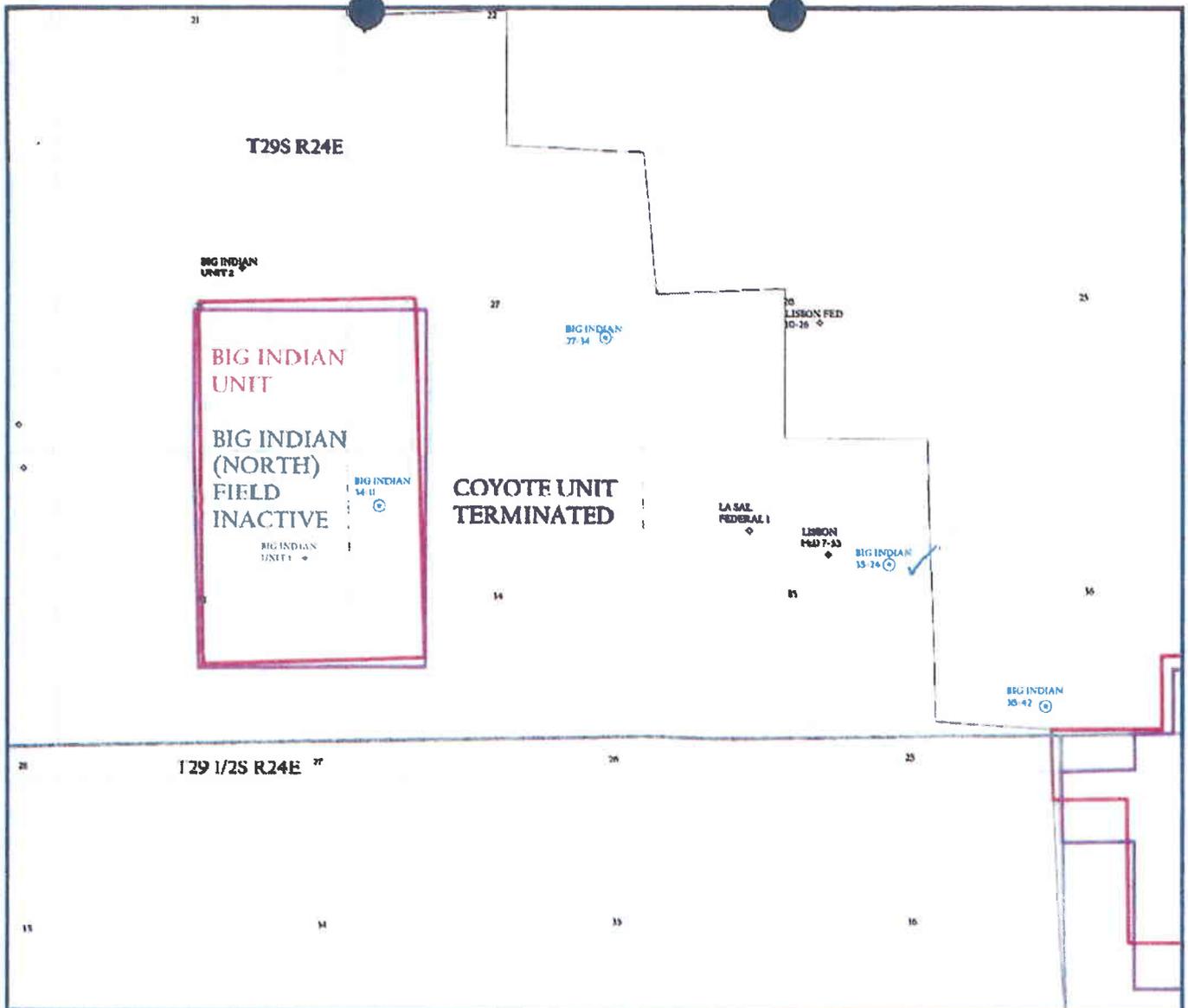


Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP**  
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

**7 30 03**  
 MONTH DAY YEAR





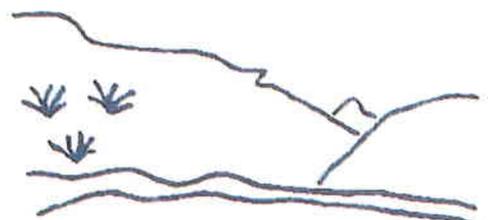
**OPERATOR: TOM BROWN INC (N9885)**

**SEC. 35 T.29S, R.24E**

**FIELD: WILDCAT (001)**

**COUNTY: SAN JUAN**

**SPACING: R.649-3-2 / GENERAL SITING**



**Utah Oil Gas and Mining**

Wells		Unit Status		Field Status	
•	GAS INJECTION	□	EXPLORATORY	□	ABANDONED
•	GAS STORAGE	□	GAS STORAGE	□	ACTIVE
•	LOCATION ABANDONED	□	NF PP OIL	□	COMBINED
•	NEW LOCATION	□	NF SECONDARY	□	INACTIVE
•	PLUGGED & ABANDONED	□	PENDING	□	PROPOSED
•	PRODUCING GAS	□	PI OIL	□	STORAGE
•	PRODUCING OIL	□	PP GAS	□	TERMINATED
•	SHUT-IN GAS	□	PP GEOTHERML		
•	SHUT-IN OIL	□	PP OIL		
•	TEMP. ABANDONED	□	SECONDARY		
•	TEST WELL	□	TERMINATED		
•	WATER INJECTION				
•	WATER SUPPLY				
•	WATER DISPOSAL				



**PREPARED BY: DIANA MASON**  
**DATE: 04-SEPTEMBER-2003**

DIVISION OF OIL, GAS AND MINING  
**Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** EnCana Oil & Gas (USA) Inc.

**Location:** SENE Sec 35 T29S R24E, San Juan County

**WELL NAME:** Big Indian 35-24 **API #:** 43-037-31829

**FINDINGS**

1. This well was completed on February 17, 2005 in the Hermosa formation.
2. This well was > 1 mile from any known production in the Hermosa Formation at the time of the completion and the start of commercial production. (Attachment A)
3. The Middle Mesa State 36-12-29-24 well, approximately 3318' distance from, also currently produces out of the Hermosa formation; first produced September 4, 2007. (Attachment A)
4. The Wildcat Tax Credit application was received 3+ years after completion of the Big Indian 35-24 well (see submittal requirements in R649-3-35-1).

**CONCLUSIONS**

Future requests for wildcat well determination should be submitted in accordance with R649-3-35-1. Based on the findings above the Division has determined the Big Indian 35-24 well was drilled into an unknown area for the Hermosa formation. The Division finds that this well qualifies for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet DKD

Date: 4/22/09

Joshua J. Payne

Date: April 13, 2009

CC: Utah State Tax Commission  
ATTN: Ken Petersen

## ATTACHMENT A

## 1 Mile Area of Review

API	WELL NAME	Well Status	QTR	Sect	Town	Range	Cum Oil	Cum Gas	Field Type	Dx From Well(ft)	Rotary Spud	Date TD Reached	Date First Produced	Producing Formation
4303731904	MIDDLE MESA FED 26-34-29-24	APD	NESW	26	290S	240E	0	0	E	4202				
4303731903	MIDDLE MESA FED 25-31-29-24	APD	NWSW	25	290S	240E	0	0	E	4908				
4303731902	MIDDLE MESA FED 25-41-29-24	APD	SWSW	25	290S	240E	0	0	E	3172				
4303731901	MIDDLE MESA FED 25-43-29-24	APD	SWSE	25	290S	240E	0	0	E	4701				
4303731878	MIDDLE MESA ST 36-24B-29-24	PGW	SENE	36	290S	240E	3165	625668	D	5005	5/3/2008		6/6/2008	HONAKER TRAIL
4303731877	MIDDLE MESA ST 36-12B-29-24	PGW	NENW	36	290S	240E	454	328112	D	3326	8/29/2008		9/18/2008	HONAKER TRAIL
4303731856	MIDDLE MESA ST 36-24-29-24	SGW	SENE	36	290S	240E	442	5182	D	4992	7/1/2007		8/2/2007	HONAKER TRAIL
4303731855	MIDDLE MESA ST 36-12-29-24	PGW	NENW	36	290S	240E	299	571711	D	3318	7/19/2007		9/4/2007	HERMOSA
4303731829	BIG INDIAN 35-24	PGW	SENE	35	290S	240E	505	258691	D	0	11/26/2004	12/7/2004	2/17/2005	HERMOSA
4303731827	BIG INDIAN 36-42	PA	SESW	36	290S	240E	0	0	E	3769				
4303730498	LISBON FED 10-26	PA	NWSE	26	290S	240E	0	0	W	4558				
4303730489	LISBON FED 7-35	PA	SWNE	35	290S	240E	0	0	W	1088				
4303730206	LA SAL FEDERAL 1	PA	SENW	35	290S	240E	0	0	W	2578				

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**5/14/2010**

<b>FROM:</b> (Old Operator): N2175-EnCana Oil & Gas (USA) Inc. 370 17th Street, Suite 1700 Denver, CO 80202 Phone: 1 (303) 623-2300	<b>TO:</b> ( New Operator): N3670-Patara Oil & Gas, LLC 333 Clay Street, Suite 3960 Houston, TX 77002 Phone: 1 (713) 357-7171
---	---

CA No.

Unit:

MIDDLE MESA

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/11/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/11/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 5/11/2010
- a. Is the new operator registered in the State of Utah: Business Number: 7655540-0161
- 5a. (R649-9-2)Waste Management Plan has been received on: \* \* requested 9/27/10
- 5b. Inspections of LA PA state/fee well sites complete on: \* \* requested 9/27/10
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 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 not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 6/28/2010 & 9/2/2010
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** 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: 6/29/2010  
Lisbon B-816 only

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/14/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/14/2010
- Bond information entered in RBDMS on: 9/14/2010
- Fee/State wells attached to bond in RBDMS on: 9/14/2010
- Injection Projects to new operator in RBDMS on: 9/14/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: 5/11/2010

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000428
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0013207 & B006008
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** 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:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ENCANA OIL & GAS (USA) INC. <i>N2175</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 370 17th Street, Suite 1700 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		8. WELL NAME and NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
PHONE NUMBER: (303) 623-2300		10. FIELD AND POOL, OR WLD/CAT:
COUNTY:		<b>UTAH</b>
STATE:		

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

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

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

Effective May 4, 2010 Patara Oil & Gas LLC, 333 Clay Street, Suite 3960, Houston, TX 77002, will take over completions and operations and is designated as agent operator for the subject wells on the attached list.

Bond coverage for all activities will be covered by Patara's BLM Statewide Oil & Gas Bond No. UTB000428 and UDOGM Bond No. Pending. *RIB 0013207 + B 006008*

Patara Oil & Gas LLC, Lane M. Kincannon, Vice-President, Land & Business Development *N3670*

Signature *[Signature]* Date 5/4/2010

NAME (PLEASE PRINT) Ricardo D. Gallegos TITLE Attorney-in-Fact  
SIGNATURE *[Signature]* DATE 5/4/2010

(This space for State use only)

**APPROVED** 9/14/2010  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
*May 11 2010 ER*  
DIV. OF OIL, GAS & MINING

ENCANA O-G (N2175) to PATARA O-G (N3670)  
effective May 4, 2010  
MIDDLE MESA

well_name	sec	twp	rng	api	entity	lease	well	stat	C
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	S	
MIDDLE MESA ST 36-14-29-24	36	290S	240E	4303731838	15076	State	GW	P	
MIDDLE MESA FED 5-6-30-25	05	300S	250E	4303731853	16375	Federal	GW	P	
MIDDLE MESA FED 31-31-29-25	31	290S	250E	4303731854	15721	Federal	GW	P	
MIDDLE MESA ST 36-12-29-24	36	290S	240E	4303731855	16187	State	GW	P	
MIDDLE MESA ST 36-24-29-24	36	290S	240E	4303731856	16186	State	GW	S	
MIDDLE MESA ST 36-12B-29-24	36	290S	240E	4303731877	15076	State	GW	P	
MIDDLE MESA ST 36-24B-29-24	36	290S	240E	4303731878	16834	State	GW	P	
MIDDLE MESA FED 30-41-29-25	30	290S	250E	4303731893		Federal	GW	APD	C
MIDDLE MESA FED 31-42-29-25	31	290S	250E	4303731895		Federal	GW	APD	C
MIDDLE MESA FED 5-10-30-25	05	300S	250E	4303731897		Federal	GW	APD	
MIDDLE MESA FED 4-20-30-25	04	300S	250E	4303731898		Federal	GW	APD	C
MIDDLE MESA FED 25-43-29-24	25	290S	240E	4303731901		Federal	GW	APD	C
MIDDLE MESA FED 25-31-29-24	25	290S	240E	4303731903		Federal	GW	APD	C
MIDDLE MESA FED 26-34-29-24	26	290S	240E	4303731904		Federal	GW	APD	C
MIDDLE MESA FED 26-23-29-24	26	290S	240E	4303731905		Federal	GW	APD	C
MIDDLE MESA FED 31-44-29-25	31	290S	250E	4303731906		Federal	GW	APD	C
MIDDLE MESA FED 31-33-29-25	31	290S	250E	4303731907		Federal	GW	APD	C
MIDDLE MESA FED 5-8-30-25	05	300S	250E	4303731908		Federal	GW	APD	C
MIDDLE MESA FED 31-22-29-25	31	290S	250E	4303731909		Federal	GW	APD	
MIDDLE MESA FED 31-11-29-25	31	290S	250E	4303731910		Federal	GW	APD	
**Moved 7/14/2010									
MIDDLE MESA FED 25-41-29-24	25	290S	240E	4303731902		Federal	GW	APD	C



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

June 28, 2010

David M. Laramie  
Patara Oil & Gas, LLC  
621 17<sup>th</sup> Street, Suite 1345  
Denver, CO 80293

Re: Successor Operator  
Middle Mesa Unit  
UTU82680X  
San Juan County, Utah

Dear Mr. Laramie:

On June 25, 2010, we received an indenture dated May 4, 2010, whereby EnCana Oil & Gas (USA), Inc. resigned as Unit Operator and Patara Oil & Gas, LLC was designated as Successor Unit Operator for the Middle Mesa Unit, San Juan County, Utah. The indenture was executed by both parties and the signatory parties (working interest owners) have complied with Sections 5 and 6 of the unit agreement.

The instrument is hereby approved effective June 28, 2010. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Middle Mesa Unit Agreement.

Your statewide oil and gas BLM Bond No. UTB000428 will be used to cover unit operations.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, contact Leslie Wilcken of this office at (801) 539-4112.

Sincerely,

*/s/ Roger L. Bankert*

Roger L. Bankert  
Chief, Branch of Minerals

Enclosure

RECEIVED

JUL 06 2010

DIV. OF OIL, GAS & MINING



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

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

*Big Indian 35-24*  
*43-037-31829*  
*T295 R24E Sec35*

IN REPLY REFER TO:  
3160 - UTU82680X  
(U-922)

**MAY 27 2011**

Patara Oil and Gas, LLC  
600 17<sup>th</sup> Street, Suite 1900S  
Denver, CO 80202  
Attn: R.G. Davis

**RECEIVED**  
**MAY 31 2011**  
DIV. OF OIL, GAS & MINING

Re: Non-Paying Well Determination  
Big Indian 35-24 Well  
Middle Mesa Unit, San Juan County, Utah

Gentlemen:

Pursuant to your request of May 25, 2011, it has been determined by this office that under existing conditions the following well is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number	Well Name	Location	Comp. Date	Lease
4303731829	35-24	SENE 35 29.0 S 24.0 E SLB&M	02/16/2005	UTU77077

All past and future production from this well shall be handled and reported on a lease basis.

Sincerely,

/s/ Becky J. Hammond

for Roger L. Bankert  
Chief, Branch of Minerals

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-077077
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> MIDDLE MESA
<b>2. NAME OF OPERATOR:</b> PATARA OIL & GAS, LLC		<b>8. WELL NAME and NUMBER:</b> BIG INDIAN 35-24
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street Ste 1900S , Denver, CO, 80202		<b>9. API NUMBER:</b> 43037318290000
<b>PHONE NUMBER:</b> 303 563-5364 Ext		<b>9. FIELD and POOL or WILDCAT:</b> SOUTH PINE RIDGE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2167 FNL 0850 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 35 Township: 29.0S Range: 24.0E Meridian: S		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/1/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The Big Indian 35-24 was brought online 11/1/2012, making 330mcf per day of gas going to sales. Thank you.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 07, 2012**

<b>NAME (PLEASE PRINT)</b> Christopher Noonan	<b>PHONE NUMBER</b> 303 563-5377	<b>TITLE</b> Supervisor: Regulations & Production
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/6/2012	

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**11/1/2012**

<b>FROM: (Old Operator):</b> N3670- Patara Oil & Gas, LLC 600 17th Street, Suite 1900S Denver, CO 80202  Phone: 1 (303) 825-0685	<b>TO: ( New Operator):</b> N3645- CCI Paradox Upstream, LLC 600 17th Street, Suite 1900S Denver, CO 80202  Phone: 1 (303) 825-0685
---	--

WELL NAME	CA No.	SEC	TWN	RNG	Unit:	API NO	ENTITY NO	Middle Mesa	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List											

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/23/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/7/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/12/2013
- Is the new operator registered in the State of Utah: Business Number: 8523441-0161
- (R649-9-2)Waste Management Plan has been received on: Not Yet
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 2/12/2013
- 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 Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** 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: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 2/12/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/12/2013
- Bond information entered in RBDMS on: 2/7/2013
- Fee/State wells attached to bond in RBDMS on: 2/12/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 2/4/2013

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 105865919
- Indian well(s) covered by Bond Number: N/A
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 105865922
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** 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:**

Patara Oil Gas, LLC (N3670) to CCI Paradox Upstream, LLC (N3945)

Effective 11/1/2012

Middle Mesa Unit

Well Name	Section	TWN	RNG	API Number	Entity	Lease Type	Well Type	Well Status
MIDDLE MESA FED 30-41-29-25	30	290S	250E	4303731893		Federal	GW	APD
MIDDLE MESA FED 25-43-29-24	25	290S	240E	4303731901		Federal	GW	APD
MIDDLE MESA FED 26-23-29-24	26	290S	240E	4303731905		Federal	GW	APD
MIDDLE MESA FED 31-22-29-25	31	290S	250E	4303731909		Federal	GW	APD
MIDDLE MESA FED 31-11-29-25	31	290S	250E	4303731910		Federal	GW	APD
Middle Mesa Fed 31-42-29-25	31	290S	250E	4303750021		Federal	GW	APD
Middle Mesa Federal 5-8-30-25	05	300S	250E	4303750026		Federal	GW	APD
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	P
MIDDLE MESA ST 36-14-29-24	36	290S	240E	4303731838	15076	State	GW	P
MIDDLE MESA FED 5-6-30-25	05	300S	250E	4303731853	16375	Federal	GW	P
MIDDLE MESA FED 31-31-29-25	31	290S	250E	4303731854	15076	Federal	GW	P
MIDDLE MESA ST 36-12-29-24	36	290S	240E	4303731855	15076	State	GW	P
MIDDLE MESA ST 36-24-29-24	36	290S	240E	4303731856	15076	State	GW	P
MIDDLE MESA ST 36-12B-29-24	36	290S	240E	4303731877	15076	State	GW	P
MIDDLE MESA ST 36-24B-29-24	36	290S	240E	4303731878	15076	State	GW	P
MIDDLE MESA FED 5-10-30-25	05	300S	250E	4303731897	18802	Federal	GW	P
MIDDLE MESA FED 25-41-29-24	25	290S	240E	4303731902	17717	Federal	GW	P
MIDDLE MESA FED 25-31-29-24	25	290S	240E	4303731903	18159	Federal	GW	P
MIDDLE MESA FED 26-34-29-24	26	290S	240E	4303731904	18118	Federal	GW	P
MIDDLE MESA FED 31-44-29-25	31	290S	250E	4303731906	18213	Federal	GW	P
MIDDLE MESA FED 31-33-29-25	31	290S	250E	4303731907	18170	Federal	GW	P
MIDDLE MESA FED 4-20-30-25	04	300S	250E	4303750010	18193	Federal	GW	P

RECEIVED

JAN 23 2013

FORM 9

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 new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL, GAS WELL, OTHER Multiple Well Transfer
2. NAME OF OPERATOR: Patara Oil & Gas LLC
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S Denver CO 80202
4. LOCATION OF WELL: FOOTAGES AT SURFACE: n/a
COUNTY: San Juan, UT
STATE: UTAH

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

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for NOTICE OF INTENT, SUBSEQUENT REPORT, ACIDIZE, ALTER CASING, CASING REPAIR, etc.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Patara Oil & Gas LLC (Patara) hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, being effective November 1, 2012; CCI Paradox Upstream LLC (CCI).
Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

NAME (PLEASE PRINT) Christopher A. Noonan
TITLE Regulations & Production Reporting Supervisor
SIGNATURE [Signature]
DATE 1/18/13

(This space for State use only)
APPROVED
FEB 12 2013
BY Rachel Medina

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
2. NAME OF OPERATOR: CCI Paradox Upstream LLC <u>N3945</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>n/a</u>		8. WELL NAME and NUMBER: <u>Multiple</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: n/a
		10. FIELD AND POOL, OR WILDCAT: n/a
		COUNTY: <u>San Juan, UT</u>
		STATE: <u>UTAH</u>

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

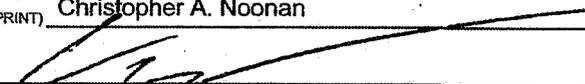
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/1/2012</u>	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

CCI Paradox Upstream LLC (CCI), hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, CCI, being effective November 1, 2012. The assets were previously operated by Patara Oil & Gas LLC (Patara) prior to sale.

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

Bond Number:  
BLM: 105865919  
State: 105865922

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Regulations &amp; Production Reporting Supervisor</u>
SIGNATURE 	DATE <u>2/6/2012</u>

(This space for State use only)

**APPROVED**

FEB 12 2013

DIV. OIL GAS & MINING

BY: Rachel Medina

**RECEIVED**

FEB 07 2013

Div. of Oil, Gas & Mining

## Exhibit I

BLM Form 3160-5 Transfer of Operator

Utah Form 9 Transfer of Operator

State of Utah Upstream Assets

01/09/2013

API Well Number	Operator	Well Name	Well Status	Well Type	Field Name	County	Qtr/Qtr	Section	Township-Range)
✓ 43-037-15049-00-00	PATARA OIL & GAS LLC	LISBON D-616	Shut-In	Oil Well	LISBON	SAN JUAN	NENE	16	30S-24E 1
✓ 43-037-15123-00-00	PATARA OIL & GAS LLC	LISBON B-615	Producing	Oil Well	LISBON	SAN JUAN	NENW	15	30S-24E 2
✓ 43-037-15769-00-00	PATARA OIL & GAS LLC	LISBON B912	Shut-In	Oil Well	LISBON	SAN JUAN	SESW	12	30S-24E 3
✓ 43-037-16219-00-00	PATARA OIL & GAS LLC	BIG INDIAN UNIT 1	Shut-In	Oil Well	BIG INDIAN (MADISON)	SAN JUAN	SENE	33	29S-24E 4
✓ 43-037-16221-00-00	PATARA OIL & GAS LLC	BIG INDIAN 4	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWSW	14	30S-25E 5
✓ 43-037-16237-00-00	PATARA OIL & GAS LLC	LISBON A-715	Inactive	Water Disposal Well	LISBON	SAN JUAN	SWNW	15	30S-24E 6
✓ 43-037-16240-00-00	PATARA OIL & GAS LLC	LISBON B-613	Shut-In	Oil Well	LISBON	SAN JUAN	NENW	13	30S-24E 7
✓ 43-037-16242-00-00	PATARA OIL & GAS LLC	LISBON B-616	Shut-In	Oil Well	LISBON	SAN JUAN	NESW	16	30S-24E 8
✓ 43-037-16244-00-00	PATARA OIL & GAS LLC	BELCO ST 4 (LISBON B-816)	Active	Water Disposal Well	LISBON	SAN JUAN	NESW	16	30S-24E 9
✓ 43-037-16245-00-00	PATARA OIL & GAS LLC	LISBON C-69	Shut-In	Oil Well	LISBON	SAN JUAN	NWNE	9	30S-24E 10

✓ 43-037-16247-00-00	PATARA OIL & GAS LLC	LISBON C-94	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	4	30S-24E 11
✓ 43-037-16250-00-00	PATARA OIL & GAS LLC	LISBON UNIT D-84	Shut-In	Oil Well	LISBON	SAN JUAN	NESE	4	30S-24E 12
✓ 43-037-16251-00-00	PATARA OIL & GAS LLC	LISBON D-89	Shut-In	Oil Well	LISBON	SAN JUAN	NESE	9	30S-24E 13
43-037-16469-00-00	PATARA OIL & GAS LLC	LISBON U B-610	Producing	Oil Well	LISBON	SAN JUAN	NENW	10	30S-24E 14
43-037-16471-00-00	PATARA OIL & GAS LLC	NW LISBON USA A-2 (D-810)	Producing	Gas Well	LISBON	SAN JUAN	NESE	10	30S-24E 15
43-037-30054-00-00	PATARA OIL & GAS LLC	LISBON B-84	Shut-In	Oil Well	LISBON	SAN JUAN	NESW	4	30S-24E 16
43-037-30082-00-00	PATARA OIL & GAS LLC	LISBON B-814	Active	Water Disposal Well	LISBON	SAN JUAN	NESW	14	30S-24E 17
43-037-30317-00-00	PATARA OIL & GAS LLC	FEDERAL 15-25	Shut-In	Gas Well	WILSON CANYON	SAN JUAN	SWSE	25	29S-23E 18
43-037-30693-00-00	PATARA OIL & GAS LLC	LISBON C-99	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	9	30S-24E 19
43-037-30694-00-00	PATARA OIL & GAS LLC	LISBON U D-610	Shut-In	Gas Well	LISBON	SAN JUAN	NENE	10	30S-24E 20
43-037-30695-00-00	PATARA OIL & GAS LLC	LISBON B-94	Shut-In	Oil Well	LISBON	SAN JUAN	SESW	4	30S-24E 21
43-037-31014-00-00	PATARA OIL & GAS LLC	LISBON UNIT A-911	Producing	Gas Well	LISBON	SAN JUAN	SWSW	11	30S-24E 22
43-037-31034-00-00	PATARA OIL & GAS LLC	LISBON UNIT D-716	Shut-In	Oil Well	LISBON	SAN JUAN	SENE	16	30S-24E 23
43-037-31323-00-00	PATARA OIL & GAS LLC	LISBON C-910	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	10	30S-24E 24
43-037-31351-00-00	PATARA OIL & GAS LLC	LISBON B-614A	Shut-In	Oil Well	LISBON	SAN JUAN	NENW	14	30S-24E 25
43-037-31433-00-00	PATARA OIL & GAS LLC	LISBON B-810	Producing	Oil Well	LISBON	SAN JUAN	NESW	10	30S-24E 26

43-037-31829-00-00	PATARA OIL & GAS LLC	BIG INDIAN 35-24	Shut-In	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	35	29S-24E 7
43-037-31831-00-00	PATARA OIL & GAS LLC	BULL HORN U 10-43	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWSE	10	30S-25E 8
43-037-31838-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-14-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENE	36	29S-24E 9
43-037-31843-00-00	PATARA OIL & GAS LLC	BULL HORN FED 9-14-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	9	30S-25E 30
43-037-31848-00-00	PATARA OIL & GAS LLC	BULL HORN FED 15-14-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	15	30S-25E 1
43-037-31849-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-21-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWSW	10	30S-25E 2
43-037-31850-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 14-21-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 3
43-037-31853-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 5-6-30-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	LOT6	5	30S-25E 4
43-037-31854-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-31-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSW	31	29S-25E 5
43-037-31855-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-12-29-24	Shut-In	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENW	36	29S-24E 6
43-037-31856-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-24-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	36	29S-24E 7
43-037-31859-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 15-24-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 8
43-037-31860-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 14-42-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SESW	14	30S-25E 9
43-037-31861-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-42-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SESW	10	30S-25E 40
43-037-31864-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-31-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWSW	10	30S-25E 1
43-037-31877-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-12B-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENW	36	29S-24E 2

43-037-31878-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-24B-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	36	29S-24E 3
43-037-31883-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 15-24B-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 4
43-037-31884-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 23-13B-30-25	Approved permit (APD); not yet spudded	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWNE	23	30S-25E 5
43-037-31885-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 23-13-30-25	Approved permit (APD); not yet spudded	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWNE	23	30S-25E 6
43-037-31891-00-00	PATARA OIL & GAS LLC	BULL HORN FED 15-13-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	15	30S-25E 7
43-037-31893-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 30-41-29-25	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWSW	30	29S-25E 8
43-037-31897-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 5-10-30-25	Spudded (Drilling commenced: Not yet completed)	Gas Well	SOUTH PINE RIDGE	SAN JUAN	LT10	5	30S-25E 9
43-037-31901-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-43-29-24	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWSE	25	29S-24E 10
43-037-31902-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-41-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SWSW	25	29S-24E 1
43-037-31903-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-31-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSW	25	29S-24E 2
43-037-31904-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 26-34-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NESW	26	29S-24E 3

43-037-31905-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 26-23-29-24	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWNE	26	29S-24E 4
43-037-31906-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-44-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SESE	31	29S-25E 5
43-037-31907-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-33-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSE	31	29S-25E 4
43-037-31909-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-22-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENW	31	29S-25E 7
43-037-31910-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-11-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWNW	31	29S-25E 8
43-037-50008-00-00	PATARA OIL & GAS LLC	CISCO STATE 36-13	Temporarily-Abandoned	Gas Well	WILDCAT	SAN JUAN	NWNE	36	31S-24E 9
43-037-50010-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 4-20-30-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SWNW	4	30S-25E 60
43-037-50012-00-00	PATARA OIL & GAS LLC	Lisbon 11-32MC	Returned APD (Unapproved)	Oil Well	UNDESIGNATED	SAN JUAN	SWNE	11	30S-24E 1
43-037-50013-00-00	PATARA OIL & GAS LLC	Lisbon 14-11MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NWNW	14	30S-24E 2
43-037-50014-00-00	PATARA OIL & GAS LLC	Lisbon 10-44MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NWNW	14	30S-24E 3

43-037-50015-00-00	PATARA OIL & GAS LLC	Lisbon 3-32MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NESE	4	30S-24E	4
43-037-50016-00-00	PATARA OIL & GAS LLC	Lisbon 11-33MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NENW	14	30S-24E	5
43-037-50017-00-00	PATARA OIL & GAS LLC	Lisbon 11-21MC	Approved permit (APD); not yet spudded	Gas Well	LISBON	SAN JUAN	NWSE	10	30S-24E	6
43-037-50018-00-00	PATARA OIL & GAS LLC	Lisbon 3-43MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	SESE	3	30S-24E	7
43-037-50019-00-00	PATARA OIL & GAS LLC	Lisbon 10-33MC	Spudded (Drilling commenced: Not yet completed)	Oil Well	LISBON	SAN JUAN	NWSE	10	30S-24E	8
43-037-50021-00-00	PATARA OIL & GAS LLC	Middle Mesa Fed 31-42-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SESW	31	29S-25E	9
43-037-50026-00-00	PATARA OIL & GAS LLC	Middle Mesa Federal 5-8-30-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENE	5	30S-25E	10

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-077077
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> MIDDLE MESA
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> BIG INDIAN 35-24
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC	<b>9. API NUMBER:</b> 43037318290000
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 563-5364 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2167 FNL 0850 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 35 Township: 29.0S Range: 24.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> SOUTH PINE RIDGE  <b>COUNTY:</b> SAN JUAN  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>2/17/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

CCI plans to fracture treat the following intervals: Lower Honaker Trail 1: 4906 - 4919 ft. Middle Honaker Trail 2: 4602 - 4608 ft. Lower Honaker Trail 3: 4427 - 4438 ft. Middle Honaker Trail 3: 4360 - 4380 ft. Dependent upon success in the first interval CCI will return to well to treat other zones with revised product quantities. Honaker Trail 1 will be treated with 2,000 gal H2O, 40,000 gal 70Q N2 foam, and 38,000 lbs 20/40 brown sand.

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

**Date:** February 13, 2014

**By:** *Derek Quist*

<b>NAME (PLEASE PRINT)</b> Christopher Noonan	<b>PHONE NUMBER</b> 303 563-5377	<b>TITLE</b> Regulations Supervisor
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/10/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-077077
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> MIDDLE MESA
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC		<b>8. WELL NAME and NUMBER:</b> BIG INDIAN 35-24
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202		<b>9. API NUMBER:</b> 43037318290000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2167 FNL 0850 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 35 Township: 29.0S Range: 24.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> SOUTH PINE RIDGE
		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/18/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Reperforated and treated Honaker Trail interval. Results dissapointing. Abandoned uphole completion attempt plans. 4906-4918 shot w/ .34in charge (32) holes, treated with 500 gal 15% Hcl, 70Q N2 foam at 36,700# 20/40 brown sand. Well remains flowing intermittently to sales for existing perforations.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
March 27, 2014**

<b>NAME (PLEASE PRINT)</b> Christopher Noonan	<b>PHONE NUMBER</b> 303 563-5377	<b>TITLE</b> Regulations Supervisor
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/27/2014	

**WELLBORE DIAGRAM**

Surface Loc: 2167' FNL, 850' FEL

Operator:	CCI Paradox Upstream LLC
Well Name:	Big Indian 35-24
Lease Number:	UTU-077077
Location:	SENE Sec 35-29S-24E
Field:	Big Indian
County:	San Juan, Utah
API Number:	43-037-31829
Diagram Date:	3/26/2014

KB 7059

GL 7044'

**Well History**

Spud Date	11/17/2004
TD Reached	12/7/2004
Rig Released	12/9/2004
Initial Completion	2/16/2005
First Sales:	NA/ WOPL as of 3/10/05
Recompletion	2/18/2014

56 jts 9.5/8" 36# J-55 LT&C csg @ 2397'; cmt w/ 504 sx Prem Lite lead; 281 sx Type III tail

Top of Cutler @ 1846'

**Tubing Detail:**

KB  
176 jts 2-3/8" L-80 tbg  
1.81" F Nipple  
6' Sub  
Notched Collar  
**EOT**

**Depth:**

15.00  
5,366.64  
0.86  
5.89  
0.35  
**5,388.74**

Top of Hermosa Group @ 3261'  
Top of Honaker Trail @ 3261'

3178-3184	Cutler perfs shot 1/26/05 (224 holes)
3210-3260	4 spf, 90°, 3-3/8" exp gun w/23 g chg DFIT: Pump 15 bbls @ 1 BPM, ISIP 679, 5 min 588, 15 min 468
3366-3378	Honaker Trail perfs shot 1/25/05 (48 holes) 4 spf, 90°, 3-3/8" exp gun w/23 g chg DFIT: Pump 15.6 bbls @ 1 BPM, ISIP 757, 5 min 730, 15 min 671
3554-3566	Honaker Trail perfs shot 1/24/05 (296 holes)
3580-3600	4 spf, 90°, 3-3/8" exp gun w/23 g chg
3656-3676	DFIT: Pump 15.6 bbls @ 1 BPM, ISIP 1281, 5 min 1183, 15 min 1111
3778-3800	
3952-3970	Honaker Trail perfs shot 1/22/05 (136 holes)
4032-4048	4 spf, 90°, 3-3/8" exp gun w/23 g chg DFIT: Pump 15 bbls @ 1 BPM, ISIP 2023, 5 min 1800, 15 min 166;
4366-4374	Honaker Trail perfs shot 1/21/05 (32 holes) 4 spf, 90°, 3-3/8" exp gun w/23 g chg
4906-4918	Honaker Trail perfs shot 2/18/14 (32 holes) 2 spf, 90°, no gun info, N2 foam frac (500 gal 15% HCL, 36,700# 20/40 brown)
4908-4920	Honaker Trail perfs shot 1/19/05 (48 holes) 4 spf, 90°, 3-3/8" exp gun w/23 g chg DFIT: Pump 17.3 bbls @ 1 BPM, ISIP 1750, 5 min 1672, 15 min 161;
5424-5430	Honaker Trail perfs shot 1/11/05 (24 holes)
5393-5400	4 spf, 90°, 3-3/8" exp gun w/23 g chg
5376-5378	DFIT: Pump 10 bbls @ 4 BPM, IDIP 1970, 15 min 406, 30 min 261 Slickwater frac: 500 gals 15% Hcl, 65000# 20/40 white sand
±5502	Fish - Possibly CIBP set in 2005? Cannot push beyond this depth
5710-5740	Ismay perfs shot 12/22/04 (120 holes) 4 spf, 90°, 3-3/8" exp gun w/23 g chg N2 foam frac (500 gal 15% HCL acid pad, 49,444 # 20/40 sand)
5880-5910	Ismay perfs shot 12/20/04 (120 holes) 4 spf, 90°, 3-3/8" exp gun w/23 g chg N2 foam frac (500 gal 15% HCL acid pad, 50,000 # 20/40 sand)
	Re-frac 5880-5910 and 5710-5740 w/1000 gal hcl, 75000# 20/40 brady sand ISIP 3160, 15 min 2983, 30 min 294C
	141 jts 5.5" 17# N-80 and P-110 LT&C csg @ 6214' Cmt w/ 1160 sx Prem Lite

EOT @ 5,388'

Top of Ismay @ 5784'

Top of Paradox Salt 6094'

PBTD 6214'

TD 6218'



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

<http://www.blm.gov/ut/st/en.html>

FEB 06 2015

RECEIVED

FEB 11 2015

DIV. OF OIL, GAS & MINING

IN REPLY REFER TO:  
3180 (UTU82680A)  
UT-922200

Ms. Kelsey Silipo  
CCI Paradox Upstream, LLC  
600 17<sup>th</sup> Street, Suite 1900S  
Denver, Colorado 80202

Re: 5th Revision of the Hermosa Group PA  
Middle Mesa Unit, San Juan County, Utah

Dear Ms. Silipo:

The 5th Revision of the Hermosa Group Participating Area (PA), Middle Mesa Unit, CRS No. UTU82680A, San Juan County, Utah, is hereby approved effective as of August 1, 2011 (the first of the month Well No. 26-34-29-24, API No. 43-037-31904, located in NE $\frac{1}{4}$ SE $\frac{1}{4}$ , of Section 26, Township 29 South, Range 24 East, Federal Lease No. UTU76053 had actual sales) pursuant to Section 11 of the Middle Mesa Unit Agreement.

This revision results in the addition of 200.00 acres to the 4th Revision of the Honaker Trail Participating Area for a total of 739.68 acres and is based upon the completion in the Honaker Trail and Ismay formations of Well No. 31-44-29-25, API No. 43-037-31906, located in SE $\frac{1}{4}$ SE $\frac{1}{4}$ , of Section 31, Township 29 South, Range 25 East, Federal Lease No. UTU76335 and the completion in the Honaker Trail formation of Well No. 26-34-29-24, API No. 43-037-31904, located in NE $\frac{1}{4}$ SE $\frac{1}{4}$ , of Section 26, Township 29 South, Range 24 East, Federal Lease No. UTU76053. The participating area now covers the entire Hermosa Group. Both wells are capable of producing unitized substances in paying quantities.

The following wells should be reported to the Hermosa Group Participating Area effective August 1, 2011.

API	WELL NAME	Surface Location	LEASE
4303731838	36-14-29-24	0756 FNL 0760 FEL 36 T29.0S R24.0E	ML-37067
4303731853	5-6-30-25	1002 FNL 2284 FWL 05 T30.0S R25.0E	UTU-84218
4303731854	31-31-29-25	2126 FSL 0810 FWL 31 T29.0S R25.0E	UTU-84217
4303731855	36-12-29-24	1097 FNL 2216 FWL 36 T29.0S R24.0E	ST-UT-37067
4303731856	36-24-29-24	2569 FNL 1183 FEL 36 T29.0S R24.0E	ML-37067
4303731877	36-12B-29-24	1105 FNL 2228 FWL 36 T29.0S R24.0E	ST-UT-37067
4303731878	36-24B-29-24	2562 FNL 1172 FEL 36 T29.0S R24.0E	ST-UT-37067
4303731902	25-41-29-24	0360 FSL 0960 FWL 25 T29.0S R24.0E	UTU-76053
4303731903	25-31-29-24	2361 FSL 0900 FWL 25 T29.0S R24.0E	UTU-76053
4303731904	26-34-29-24	2011 FSL 0789 FEL 26 T29.0S R24.0E	UTU-76053
4303731906	31-44-29-25	0587 FSL 1207 FEL 31 T29.0S R25.0E	UTU-76335
4303731907	31-33-29-25	1873 FSL 1795 FEL 31 T29.0S R25.0E	UTU-76335
4303750021	31-42-29-25	0557 FSL 2344 FWL 31 T29.0S R25.0E	UTU-84217

For production and accounting reporting purposes, all submissions pertaining to the Hermosa Group PA shall refer to UTU82680A.

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 5th Revision of the Hermosa Group PA, Middle Mesa Unit, and its effective date.

Please direct any questions concerning this approval to Judy Nordstrom of this office at (801) 539-4108.

Sincerely,



Roger L. Bankert  
Chief, Branch of Minerals

Enclosure

cc: UDOGM  
SITLA  
ONRR w/Exhibit B (Attn: Curtis Link)  
BLM FOM - Moab w/enclosure



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>

IN REPLY REFER TO:  
3180 (UTU82680X)  
UT-922000

RECEIVED

APR 28 2015

Ms. Kelsey Silipo  
CCI Paradox Upstream, LLC N3945  
600 17<sup>th</sup> Street, Suite 1900S  
Denver, Colorado 80202

MAY 01 2015

DIV. OF OIL, GAS & MINING

Re: Automatic Contraction  
Middle Mesa Unit  
San Juan County, Utah

Dear Ms. Silipo:

Your letter of April 13, 2015, describes the lands automatically eliminated effective October 1, 2013, from the Middle Mesa Unit Area, located in San Juan County, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 8,894.57 acres more or less, and constitute all legal subdivisions, no parts of which are included in the 5th Revision of the Hermosa Group Participating Area and the Initial Hermosa Participating Area "B". As a result of the automatic contraction, the unit is reduced to 899.68 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTU16577	UTU 78735
UTU76327	UTU 80058
UTU76776	UTU 84215
UTU77076	UTU84216
UTU77077	UTU87212
UTU77372	UTU87222
UTU77539	UTU88837*

\*Indicates non-committed lease

The following Federal Leases are partially eliminated from the unit area.

UTU84217  
UTU84218  
UTU76053  
UTU76335  
UTU77538

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties.

If you have any questions, please contact Judy Nordstrom of this office at (801) 539-4108.

Sincerely,



*for* Roger L. Bankert  
Chief, Branch of Minerals

Enclosure

cc: UDOGM  
SITLA  
ONRR w/Exhibit "B" (Attn: Curtis Link)  
BLM Field Office Manager – Moab (UTY01) w/enclosure

Middle Mesa Unit Contraction  
Effective 4/30/2015

Well Name	Section	TWN	RNG	API Number	Type	Status
BIG INDIAN 35-24	35	290S	240E	4303731829	GW	P
MIDDLE MESA FED 26-34-29-24	26	290S	240E	4303731904	GW	P
MIDDLE MESA FED 25-31-29-24	25	290S	240E	4303731903	GW	P
MIDDLE MESA FED 31-33-29-25	31	290S	250E	4303731907	GW	P
MIDDLE MESA FED 4-20-30-25	4	300S	250E	4303750010	GW	P
MIDDLE MESA FED 31-44-29-25	31	290S	250E	4303731906	GW	P
MIDDLE MESA FED 5-10-30-25	5	300S	250E	4303731897	GW	P
MIDDLE MESA FED 26-23-29-24	26	290S	240E	4303731905	GW	P
MIDDLE MESA FED 31-22-29-25	31	290S	250E	4303731909	GW	APD