



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

September 22, 2006

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

Attn: Diana Whitney

Re: **Samson Resources Company**
Powerline #12-1
2331' FSL and 620' FWL
NW SW Section 12, T23S - R18E
Grand County, Utah
Lease No. UTU-78300

Dear Diana,

Enclosed please find one copy 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.

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

Sincerely,

PERMITCO INC.

Tabatha Parker
Consultant for:
Samson Resources Company

Enc.

cc: Samson Resources Company - Denver, CO

RECEIVED

SEP 26 2006

DIV. OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO.: UTU-78300	6. SURFACE: BLM
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Power Line Unit (Proposed)	
2. NAME OF OPERATOR: Samson Resources Company		9. WELL NAME and NUMBER: Power Line #12-1	
3. ADDRESS OF OPERATOR: 370-17th Street, Suite 3000, Denver, CO 80202		PHONE NUMBER: 720/239-4387	
10. FIELD AND POOL, OR WILDCAT: Wildcat		11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: Section 12, T23S - R18E	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 596348 x 42976014 2331' FSL and 620' FWL AT PROPOSED PRODUCING ZONE: NW SW 38,823 798 - 109,896123			
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 27.5 miles Southwest of Crescent Junction.		12. COUNTY: Grand	13. STATE: UT
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 2331'	16. NUMBER OF ACRES IN LEASE: 1280	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): None	19. PROPOSED DEPTH: 3400'	20. BOND DESCRIPTION: Nationwide Bond No. NM-2037	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4525' GL	22. APPROXIMATE DATE WORK WILL START: ASAP	23. ESTIMATED DURATION: 8 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	8-5/8", 24#, J-55	350'	254 sx Class G w/ 2% CaCl2 Single Slurry
7-7/8"	4-1/2", 11.6 #, L-80	3400'	765 sx Single Slurry: 50/50 Poz w/ additives

CONFIDENTIAL-TIGHT HOLE

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) **Tabatha Parker** TITLE **Agent for Samson Resources Company**

SIGNATURE *Tabatha Parker* DATE **September 22, 2006**

(This space for State use only)

API NUMBER ASSIGNED: 43-019-31502

APPROVAL:

RECEIVED
SEP 26 2006

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

1. **ESTIMATED TOPS/ GEOLOGIC MARKERS** (based upon est. surface elevation of 4525')

The estimated tops of important geologic markers are as follows:

<i>Formation</i>	<i>Depth</i>
Morrison	250'
Moab Tongue	850'
Entrada	925'
Carmel	1,150'
Navajo	1,225'
Kayenta	1,750'
Wingate	1,950'
Chinle	2,225'
Moenkopi	2,750'
White Rim	3,125'
TD	3,400'

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:



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<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Water		Above 500'
Oil	Moab Tongue	850'
Oil	Navajo	1,225 '
Oil	Kayenta	1,750'
Oil	Wingate	1,950'
Gas	None Expected	
Oil Shale	None Expected	

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing back to the surface and cementing production casing with sufficient cement volume to bring cement to surface.

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

Samson Resources Company's minimum specifications for pressure control equipment are as follows:

For drilling surface hole to 350': No BOP equipment required. Rotating head will be utilized if a Surface Hole Drilling rig equipped to drill with air/mist is used to preset surface casing.

For drilling through 8-5/8" surface casing to TD: Maximum anticipated surface pressure is <2000 psi. Bottomhole pressure is estimated to be 1350 psi.

Pressure control equipment shall meet or exceed BLM minimum standards for 2000 psi equipment.

A casing head with a 11", 5000 psi flange will be welded onto the 8-5/8" surface casing.

BOP stack will likely consist of either 2 single gate or double gate and annular preventer. The gate preventers will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13.625" bore, 3000 psi working



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pressure or greater. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment, per BLM Oil & Gas Order #2.

4. CASING AND CEMENTING PROGRAM

a. **Casing Information:** All casing will be new pipe and tested to 1500 psi.

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Type	Stage	Centralizers	New/Used
Surface	0' - 350'	12-1/4"	8-5/8"	24#	J-55	ST&C	No	*****	New
Production	0' - 3,400'	7-7/8"	4-1/2"	11.6#	L-80	LT&C	No	As needed	New

*Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and Last collars.

Casing Design 8-5/8"	PSI	Actual load-psi	S.F.
Collapse Value	1370	140	9.7
Burst	2950	350	8.4
Tension	244,000#	8,400#	29.0

Surface casing burst load based on a formation frac ture gradient of 1.0 psi/ft. Collapse load calculated with 9.0 ppg in annulus w/complete evacuation. Tension load using air weight of casing.

Casing Design 4-1/2"	PSI	Actual load-psi	S.F.
Collapse Value	6350	1591	3.99
Burst	7780	1251	6.21



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Casing Design 4-1/2"	PSI	Actual load-psi	S.F.
Tension	212,000#	39,440#	5.37

Burst load based on maximum pore pressure minus gas gradient of 0.1. Collapse load calculated with 9.0 ppg in annulus w/complete evacuation. Tension load using air weight of casing.

- b. Casing design subject to revision based on geologic conditions encountered.
- c. **Cement Information:** All volumes are estimates and may be adjusted based upon actual conditions during the course of drilling operations. Total sacks may be adjusted due to slight variations in slurry yield.

Surface	Type and Amount
TOC @ Surface	Class G with 2% CaCl ₂ single slurry mixed to 15.8 ppg, yield = 1.18 cf/sx. Fill to surface with 300 cf (254 sx) calculated plus 100% excess. Tail plug used.
Production	Type and Amount
Base of Surface Casing	Single slurry 50/50 Poz w/ additives - 13.5 ppg, yield 1.31 cuft/sx for 3400' of fill; 1000 cf (765 sx). Volume based upon 30% excess of open hole and cased hole volume. Volume calculated to achieve cement returns to surface.

d. **Drilling Equipment:**

Surface Hole (0' - 350')

Drilling of the surface hole will be with a Surface Hole drilling rig equipped to drill with air/air mist, if the rig is available. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

Variance to Onshore Oil and Gas Order No. 2 III -E. Special Drilling Operations which addresses additional drilling equipment required for drilling with air/gas is requested for the Surface Hole drilling rig which may be used to preset surface casing. To our knowledge, shallow gas (<350') has never been encountered on any well in this area. Consequently, the majority of the equipment specified in the Special Drilling Operations is not necessary to drill surface holes (350') in this area. Auxiliary Equipment to be used is outlined in Section 8.

If the Surface Hole drilling rig is not available to preset the surface casing, a conventional



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rotary drilling rig will be used to drill the surface hole. A 12 1/4" hole will be drilled utilizing water based mud.

Production Hole (350' - 3400')

Drilling below surface casing will be with conventional rotary equipment utilizing water based mud. Hole size will be 7-7/8".

5. **CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:**

Surface Hole (0' - 350')

Surface hole is planned be drilled with air/air mist if a Surface Hole drilling rig is utilized to preset surface casing prior to moving in and rigging up a conventional rotary drilling rig.

Mud circulating equipment and materials as specified in Onshore Order #2, III - E will not be kept on location due to the fact that the Surface Hole drilling rig equipped to drill with air/air mist is not equipped to circulate mud.

If a Surface Hole drilling rig is not utilized to preset the surface casing, a conventional rotary rig will be used to drill the surface hole. Water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers will be used. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location.

Production Hole (350' - 3,400')

Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location.



PVT/Flow Show will be on location and operable from base of surface casing to TD.

6. **TESTING, LOGGING AND CORING**

Logging:

Mud logging	Surface casing to TD
Electric Logging	A complete suite of open hole logs will be run.

Coring: None planned but are possible.

Testing: None planned but are possible.

7. **EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H2S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:**

Subnormal pressure gradient to TD.

No H2S is expected.

Maximum expected BHP @ TD ~1350 psi

Maximum expected BHT @ 3400' TVD: ~125 degrees F

8. **OTHER**

a. **Auxiliary Equipment**

Conventional Rotary Drilling Rig
Geograph



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PVT-Flowmeter
Desilter
Desander
Full Opening Safety Valve
Upper Kelly Valve
Lower Kelly Valve

Surface Hole Rig Equipped to Drill with Air/ Air Mist
Rotating Head
100' Blooie Discharge Line

b. **Completion**

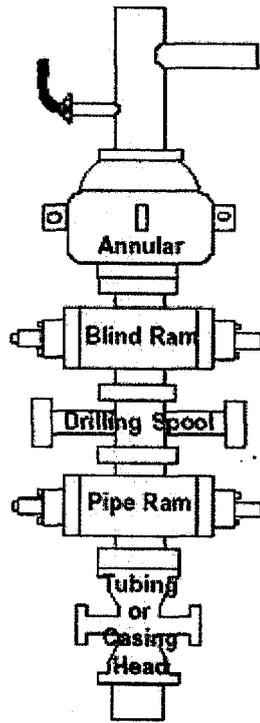
Well will be completed by conventionally perforating prospective zones identified by logs. Installation of tubing, rods, and surface production facilities may be required to determine commercial production. Stimulation may be required, but will be determined by testing.

- c. 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 approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
- d. Drilling operations are planned to commence upon approval of this application.
- e. It is anticipated that the drilling of this well will take approximately 8 days.

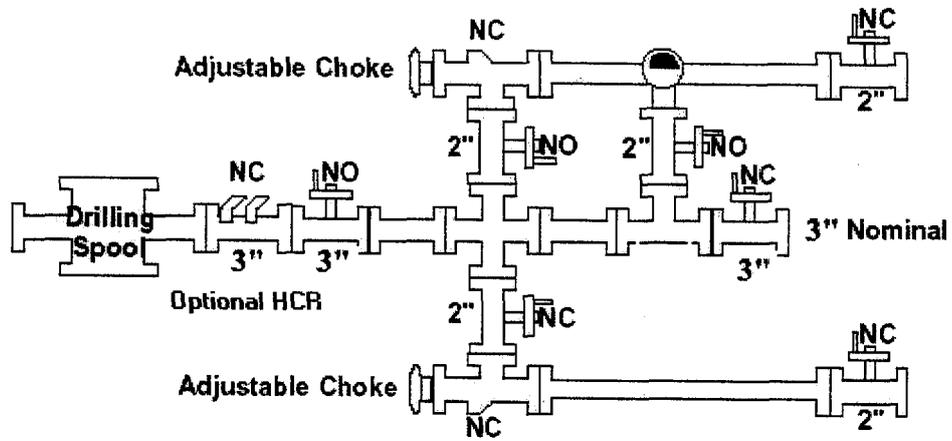


BOP Schematic

Class III BOP Stack



Class III Choke Manifold



NO Normally Open
NC Normally Closed

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

An onsite inspection of the subject well was conducted on Wednesday, July 26, 2006 at approximately 8:10 a.m. Weather conditions were sunny and hot. In attendance at the onsite inspection were the following individuals:

Rich McClure	NRS	Bureau of Land Management
Lisa Smith	President	Permitco Inc.
Randy Smith	Field Operations	Permitco Inc.
Larry Van Campen	Field Coordinator	Trigon (Field Rep for Samson)
Jesse Walton	Surveyor	Uintah Eng. and Land Surveying
Travis Baker	Survey Hand	Uintah Eng. and Land Surveying
Carol DeFrancia	Archeologist	4-Corners Archeology

1. **EXISTING ROADS**

- a. The proposed well site is located approximately 27.5 miles southeast of Crescent Junction, Utah.
- b. Directions to the location from Crescent Junction, Utah are as follows:

From Exit 180 on I-70, proceed south on US 191 for 14.5 miles. Turn right and proceed west 7.3 miles. Continue northwest 4.8 miles. Turn right onto the proposed access and proceed northeast 0.9 miles until reaching the proposed location.
- 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. It appears that the first 7.3 miles of access (after leaving Highway 191) are maintained by the 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.



Samson Resources Company

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2. PLANNED ACCESS ROADS

- a. There will be approximately 0.9 miles of new access road.
- b. The new access and existing two track trails will be flat bladed initially for drilling purposes to a maximum width of 21 feet. If production is established the road will be improved to a crowned and ditched road with a 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 5%.
- d. No turnouts will be necessary.
- e. No culverts or upgrading will be done at this time. If the well is productive, the road will be upgraded in accordance with Gold Book Standards.
- f. The new access road was centerline flagged at the time of staking.
- g. Surfacing of the pad and access prior to drilling and completion operations is not anticipated, however, some portions of the access road may require surfacing if the well is productive.
- h. Cattlegards will not be necessary.
- 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 is requested for the portion of access road located outside Lease No. UTU-78300. Please notify us once a category determination have been made so that we may send the necessary filing fees.



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 - none

4. PROPOSED PRODUCTION FACILITIES

- a. Production facilities will be located on the well pad. If production is established a production facility layout will be submitted via Sundry Notice.
- 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.



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- 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 Thompson Special Service District. The load point will be northeast of the post office in Thompson Springs.
- 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 Water Right No. 92-180.

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 and Typical Cross Sections for orientation of rig, cross section of drill pad and cuts and fills.
- b. Six inches of topsoil (or the maximum available) will be salvaged during construction and reserved for use in reclamation.
- c. Topsoil will be stockpiled as shown on the Location Layout.



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- 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.
- g. A flare pit will be located a minimum of 30 feet from the edge of the reserve pit and a minimum of 130 feet from the well head.
- h. Any pits containing fluid will be fenced to prevent wildlife entry.
- i. The reserve pit will be lined with a minimum of 12 mil liner as specified by the State of Utah.

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:

<i>Species</i>	<i>#'s PLS/Acre</i>
Indian Ricegrass	3
Galletta	3
Shadscale	2
Nuttall's Saltbush	2
4-wing Saltbush	2
TOTAL	12



- 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 has been conducted by Four Corners Archeological and is attached.
- 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;

-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.



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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.



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CONFIDENTIAL - TIGHT HOLE

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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
Samson Resources Company
370 - 17th Street, Suite 3000
Denver, CO 80202

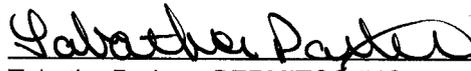
Bob Graff - Samson Resources, Inc.
720-239-4387 (office)
303-880-2895 (cell)

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 Samson Resources Company 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.

September 22, 2006
Date: _____



Tabatha Parker - PERMITCO INC.
Authorized Agent for:
Samson Resources Company



SAMSON RESOURCES COMPANY

POWER LINE #12-1

LOCATED IN GRAND COUNTY, UTAH
SECTION 12, T23S, R18E, S.L.B.&M.

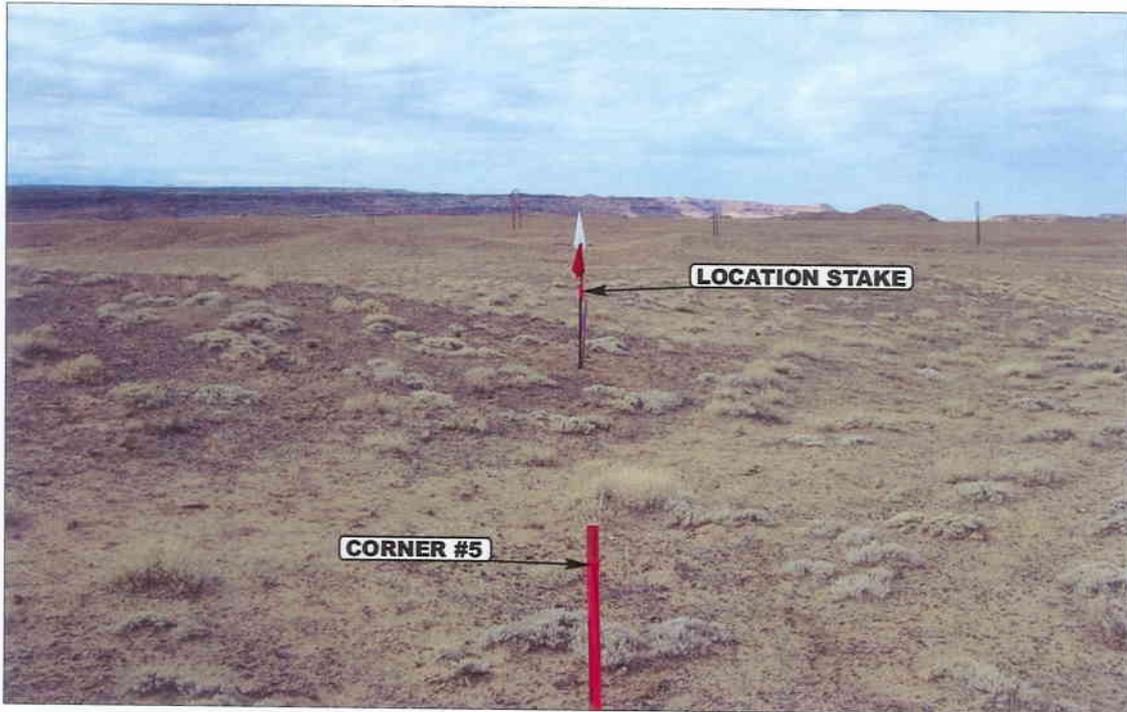


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS ROAD

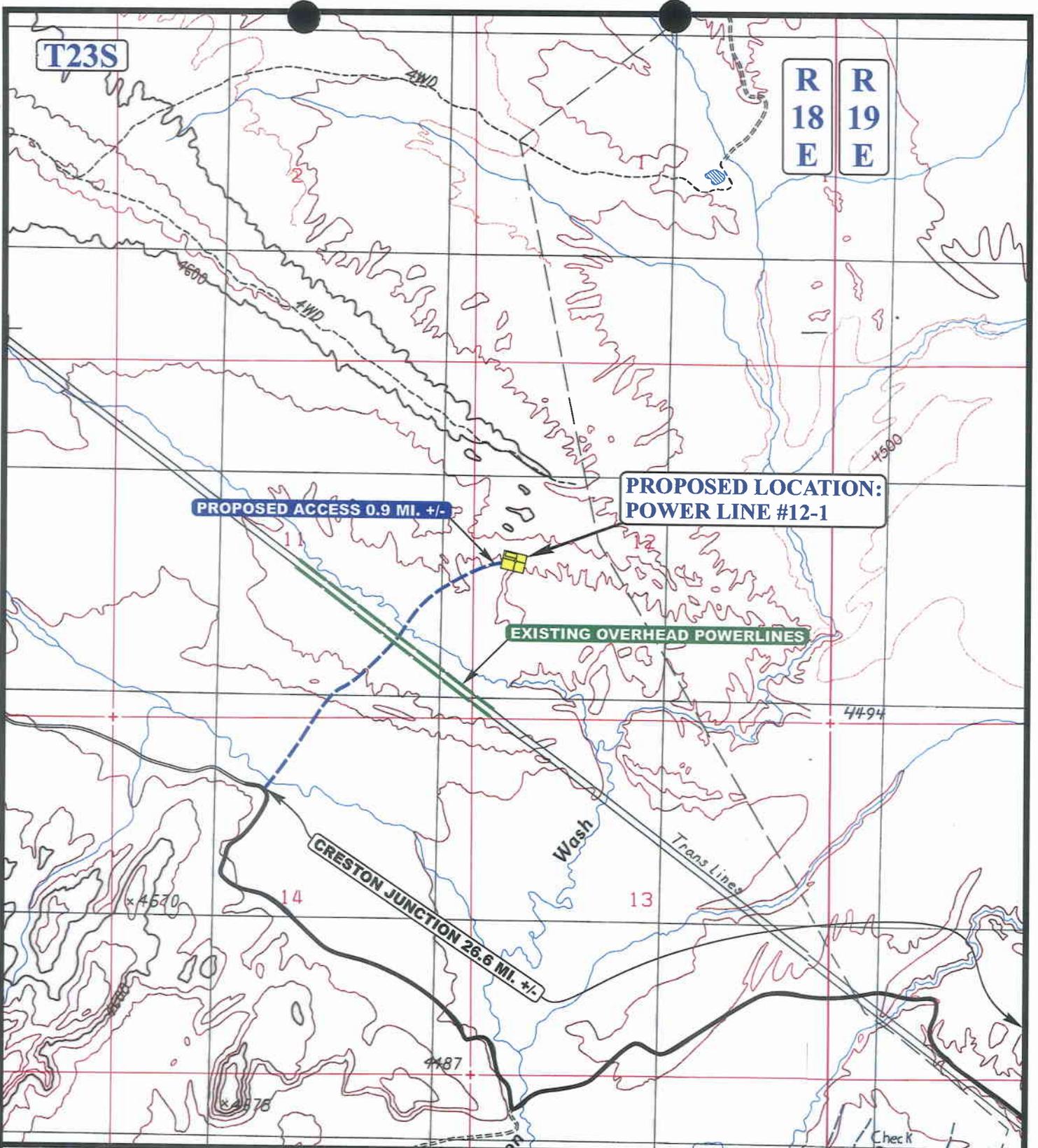
CAMERA ANGLE: NORTHERLY



- Since 1964 -

U
E
L
S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS			08	16	06	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: J.W.	DRAWN BY: C.P.	REVISED: 00-00-00				



LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING OVERHEAD POWERLINES

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

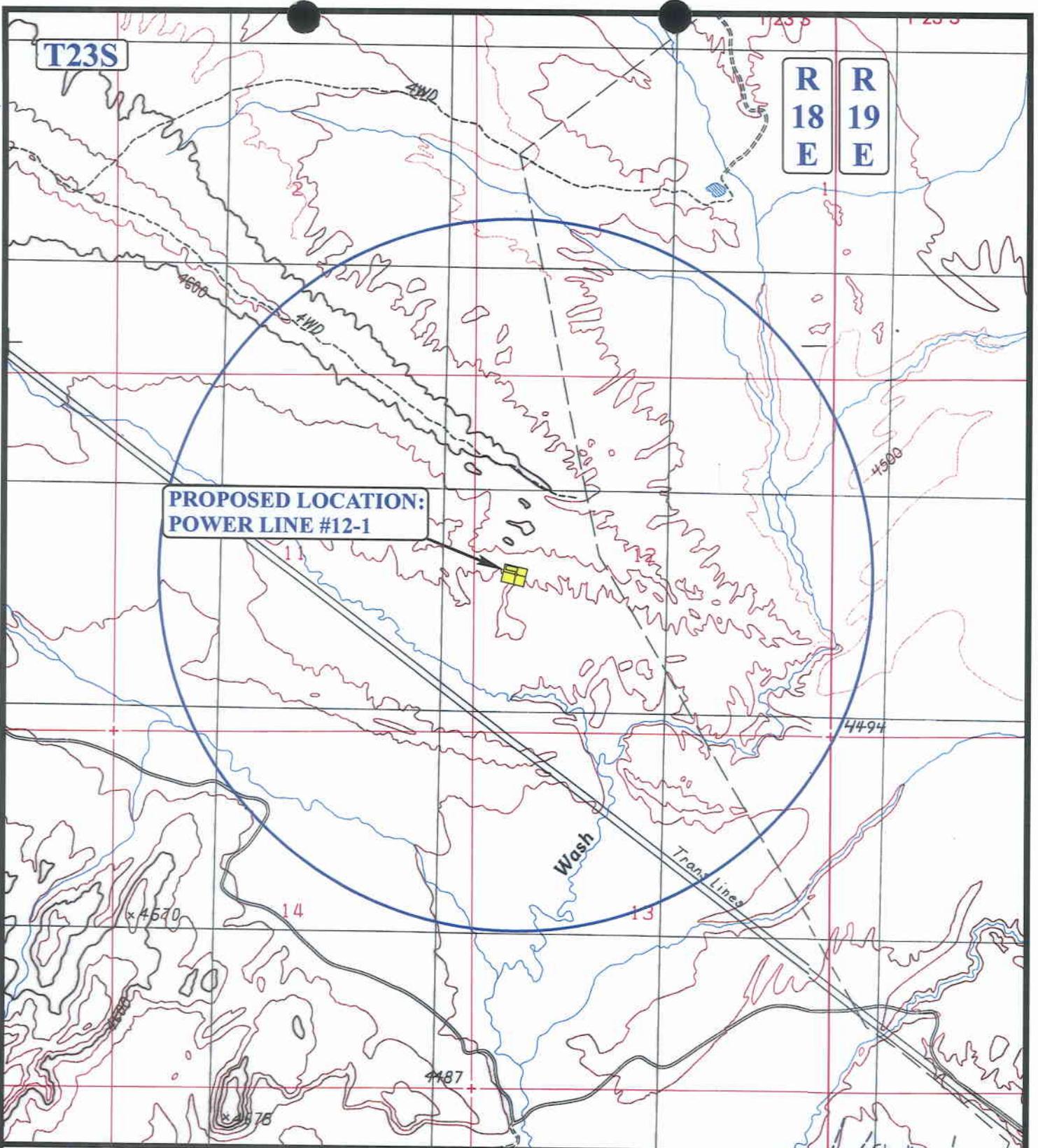


SAMSON RESOURCES COMPANY

POWER LINE #12-1
 SECTION 12, T23S, R18E, S.L.B.&M.
 2331' FSL 620' FWL

TOPOGRAPHIC MAP 08 16 06
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ⬮ SHUT IN WELLS | ● TEMPORARILY ABANDONED |

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



SAMSON RESOURCES COMPANY

POWER LINE #12-1
SECTION 12, T23S, R18E, S.L.B.&M.
2331' FSL 620' FWL

TOPOGRAPHIC MAP **08 16 06**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



SAMSON RESOURCES COMPANY

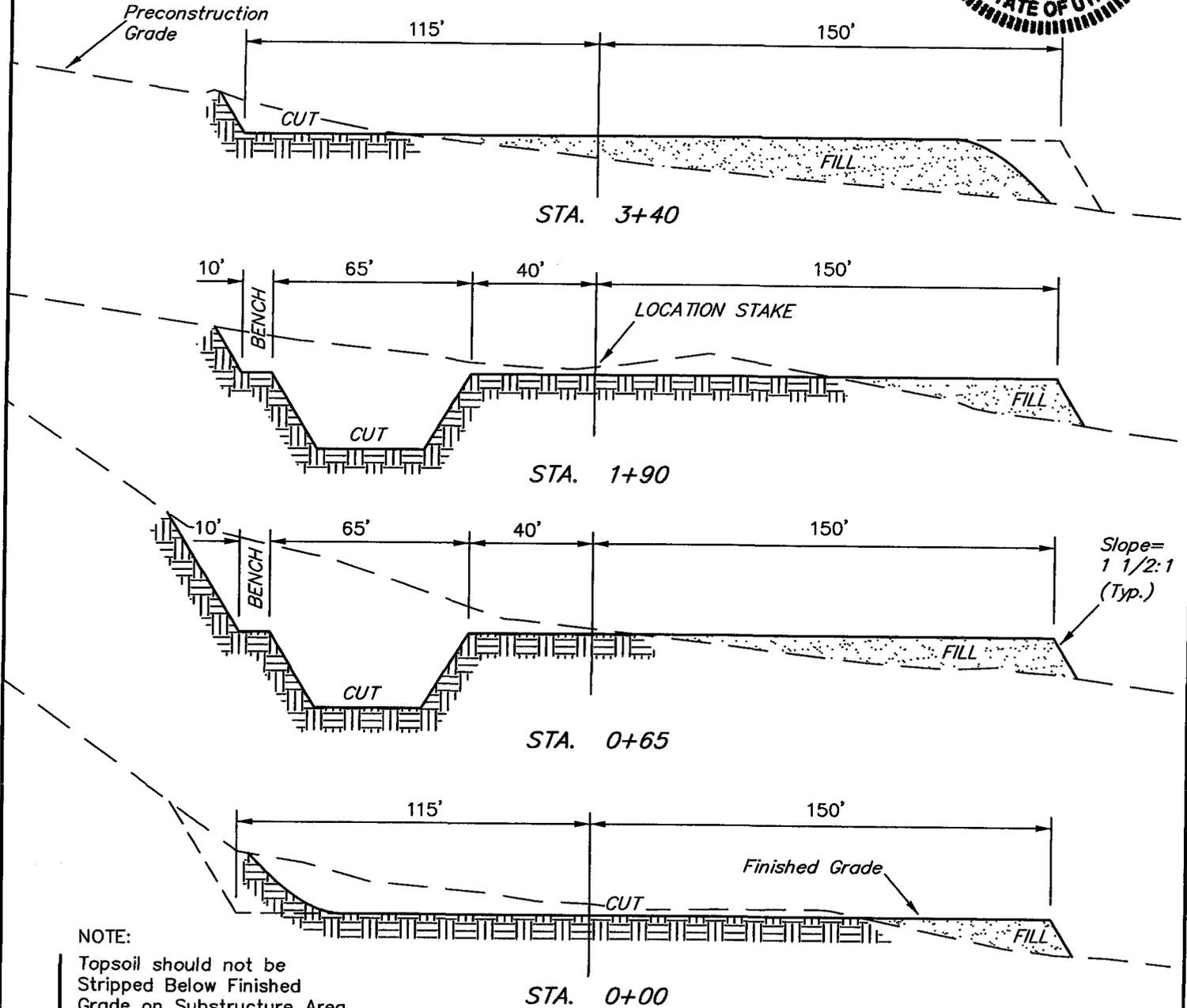
TYPICAL CROSS SECTIONS FOR

POWER LINE #12-1
SECTION 12, T23S, R18E, S.L.B.&M.
2331' FSL 620' FWL



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

DATE: 08-15-06
Drawn By: L.K.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,910 Cu. Yds.
Remaining Location	=	7,970 Cu. Yds.
TOTAL CUT	=	9,880 CU.YDS.
FILL	=	6,240 CU.YDS.

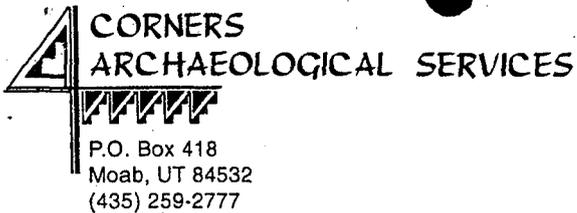
EXCESS MATERIAL	=	3,640 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,360 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	280 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

FEDERAL STIPULATIONS

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





Ms. Donna Turnipseed, Area Archaeologist
Bureau of Land Management - Moab Field Office
P.O. Box 970
Moab, Utah 84532

August 23, 2006

Dear Donna,

Please find enclosed two copies of our archaeological report for MSC Exploration Company's proposed Power Line #12-1 well location and access route in Grand County, Utah. The project is located along a southwest-aspect slope above Crescent Wash, northwest of the Blue Hills and south of the Bookcliffs. A total of 21.4 acres were inventoried for cultural resources on lands administered by the Utah Bureau of Land Management's - Moab Field Office.

No cultural resources were found in the project area, and no further management recommendations are necessary.

Sincerely,

Carol S. DeFrancia
Principal Investigator

CSD/distribution:
Ms. Georganne Mitchell, Samson Resources, Denver

ARCHAEOLOGICAL SURVEY OF
MSC EXPLORATION L.P. COMPANY'S PROPOSED
POWER LINE #12-1 WELL PAD & ACCESS ROUTE
IN GRAND COUNTY, UTAH

4-CAS REPORT 2627

by
Carol S. DeFrancia

4-CORNERS ARCHAEOLOGICAL SERVICES
76 S. Main Street, Suite #1
Moab, Utah 84532
(435) 259-2777

August 21, 2006

FEDERAL ANTIQUITIES PERMIT 06UT62712
Utah State Permit No. U06-FE-1097b

Prepared For:
Samson Resources
370 17th Street, Suite 3000
Denver, CO 80202

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Survey Results	5
Conclusion and Recommendations	5
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ABSTRACT

The archaeological survey of MSC Exploration L.P. Company's proposed Power Line #12-1 well location and access route was conducted by personnel of 4-Corners Archaeological Services between August 3, and August 18, 2006. The project is located along a southwest-aspect slope above Crescent Wash, northwest of the Blue Hills and south of the Bookcliffs. The project lies approximately ten miles southwest of the community of Crescent Junction, in Grand County, Utah. A total of 21.4 acres were inventoried for cultural resources on lands administered by the Utah Bureau of Land Management's - Moab Field Office.

No cultural resources were found in the project area and no further management recommendations are necessary.

INTRODUCTION

The archaeological survey of MSC Exploration L.P. Company's proposed Power Line #12-1 well location and access route was conducted by Carol DeFrancia of 4-Corners Archaeological Services (4-CAS) between August 3, and August 18, 2006. The project is located in Grand County, Utah, along a southwest-aspect slope above Crescent Wash, on lands administered by the Utah Bureau of Land Management's - Moab Field Office (Figure 1). The survey was requested by Ms. Georganne Mitchell of Samson Resources. Uintah Engineering & Land Surveying personnel staked and flagged the well pad and access route prior to the survey. The well location will be accessed from an existing county road that extends west of US Hwy. 191 and the old Valley Reservoir. A total of 21.4 acres were inventoried for cultural resources on lands administered by the Utah BLM, Moab Field Office (Figure 2).

Principal federal legislation that is designed to conserve and protect cultural resources includes the Antiquities Act of 1906 (PL 52-209), the National Historic Preservation Act of 1966 (PL 89-665), the National Environmental Policy Act of 1969 (PL 91-190), the 1971 Executive Order No. 11593, the Archeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resource Protection Act (ARPA) of 1978 (PL 95-96).

No cultural resources were found in the project area and no further management recommendations are necessary.

PROJECT AREA

Map Reference: U.S.G.S. Dee Pass, UT (1991) 7.5' series map

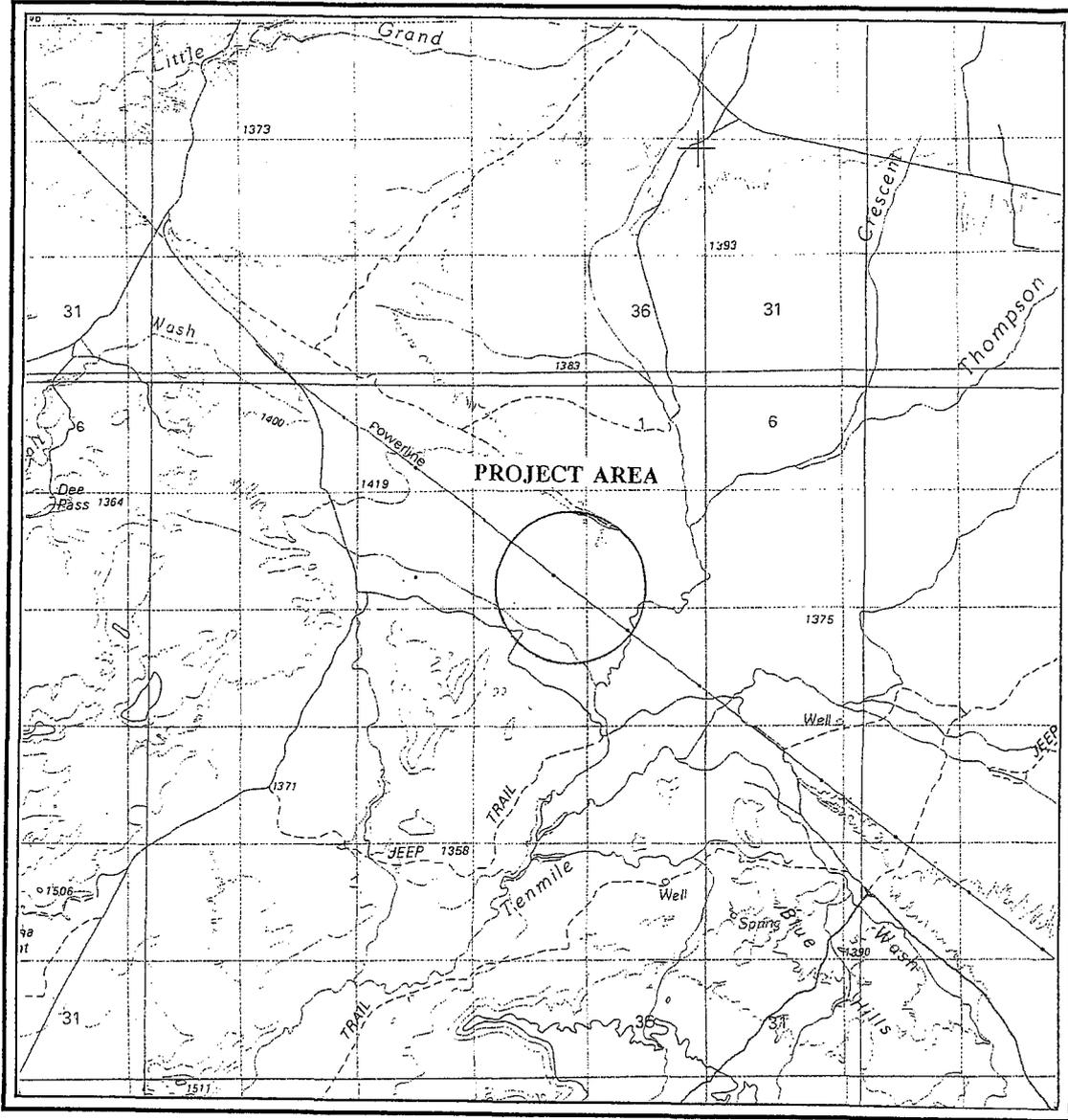
Total Project Area: 4.2 acres, area surveyed 21.4 acres

Power Line #12-1 Well Pad:

Legal Description: T23S, R18E; NW/NW/SW of sec. 12 (S.L.B. & M.)

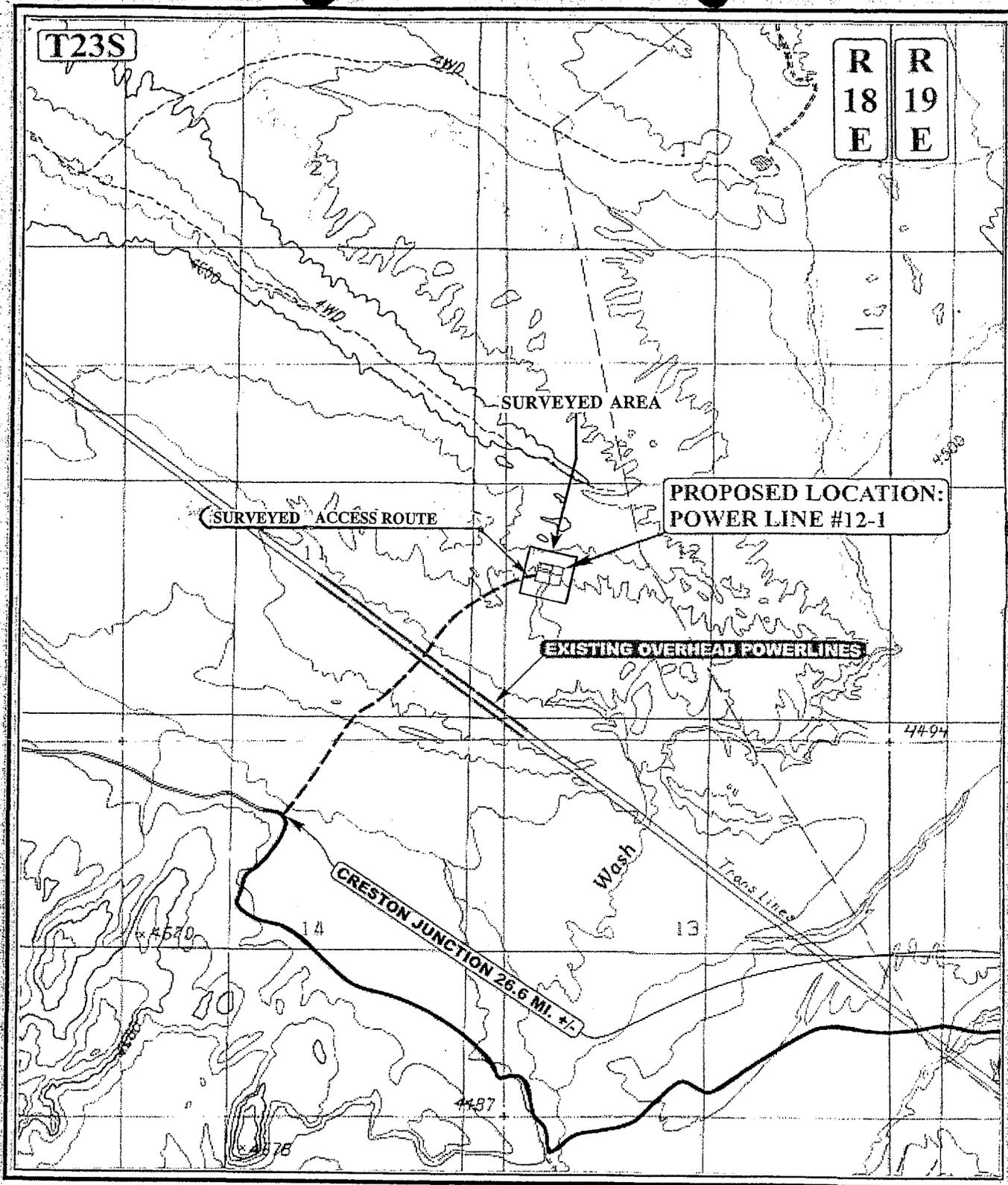
Center Stake: 2331' FSL, 620' FWL; sec. 12

UTM Coordinates*		Easting	Northing
(*all in zone 12)	NW corner	596240m	4297720m
	NE corner	596440m	4297680m
	SE corner	596400m	4297480m
	SW corner	596200m	4297520m



GENERAL VICINITY OF PROJECT AREA
 BLM (1985) SURFACE MANAGEMENT STATUS
 UTAH - COLO Topographic Map 1: 100,000

(Figure 1)



PROJECT AREA

T23S, R18E: Section 11, 12 & 14;
 Grand County, Utah - S.L.B. & M.
 USGS Dee Pass, UT (1991) 7.5' series map

SCALE: 1:24000

(Figure 2)

Power Line #12-1 Well Pad (cont.):

Project Area: 380' x 260' (2.2 acres)

Surveyed Area: 660' x 660' (10.0 acres)

Results: no cultural resources found

PL #12-1 access route: access NE from existing county road

Legal Description: T23S, R18E; SW 1/4 of sec. 12; SE 1/4 of sec. 11 &
NE/NW of sec. 14 (S.L.B. & M)

UTM Coordinates*		Easting	Northing
(*all in zone 12)	SW end	595220m	4296570m (county road tie)
	bend	595500m	4296980m
	bend	595580m	4297060m
	bend	595820m	4297260m
	bend	596000m	4297480m
	bend	596180m	4297570m
	NE end	596280m	4297590m (well pad tie)

Project Area: 5000' length, maximum 18' wide (2.0 acres)

Surveyed Area: 5000' x 100' (11.4 acres)

Results: no cultural resources found

PHYSIOGRAPHY AND ENVIRONMENT

The project area is located in Grand County, Utah, approximately eight miles southwest of the community of Crescent Junction. The area lies in the Colorado Plateau and is a structural element of the Book Cliffs-Roan Plateau Physiographic Subdivision (Stokes 1977). The proposed well location lies along southwest facing fluvial ridge above the Crescent Wash drainage basin. Sediments in the area consists mostly of pediment surface gravels overlying Mancos Shale.

Vegetation along the ridge is extremely sparse and contains a cold desert shrub association consisting of shadscale, four-wing saltbush, pricklypear cactus, and cheatgrass. Greasewood is found along the drainage basin. The closest water source is Crystal Springs, located less than ten miles east of the project area.

Reptilian, avian and mammalian associations are consistent with those of the Upper Sonoran Life Zone throughout the Colorado Plateau.

PREVIOUS RESEARCH

Prior to the initiation of the field investigations, a file search was conducted at the BLM Moab Field District Office and with the Utah State Historical Society in Salt Lake. The results of the review indicate that only one oil and gas related survey (Fauk 1985) has been conducted in close proximity to the project area during the mid 1980's. Very few archaeological sites (mostly

open lithic scatters and a few rock art sites) are documented within ten miles northeast of the project area (DeFrancia 2006 & 1996; Montgomery & Montgomery 1982). Generally, these investigations demonstrate a wide range of cultural occupation, ranging from a relatively extensive period of an Archaic hunting and gathering tradition, a limited Formative period (including Fremont rock art), through EuroAmerican settlement. Historically, the area was settled in the 1880's by ranchers and railroad workers.

EXAMINATION PROCEDURES

Prior to the field investigations, the well pad and access route were staked and flagged by the land surveying crew. A 660' x 660' area surrounding the well center stakes (10 acres) was inventoried for the well location by walking a series of multiple parallel transects spaced 15m apart. Two parallel sinuous transects were walked along both sides of the center of the flagged access route (11.4 acres) covering a 100' wide corridor.

SURVEY RESULTS

No cultural resources were found in the project area.

CONCLUSION AND RECOMMENDATIONS

The archaeological survey of MSC Exploration L.P. Company's proposed Power Line #12-1 well location and access route was conducted by personnel of 4-Corners Archaeological Services between August 3, and August 18, 2006. The project is located along a southwest-aspect slope above Crescent Wash, northwest of the Blue Hills and south of the Bookcliffs. The project lies approximately ten miles southwest of the community of Crescent Junction, in Grand County, Utah. A total of 21.4 acres were inventoried for cultural resources on lands administered by the Utah Bureau of Land Management's - Moab Field Office.

No cultural resources were found in the project area and no further management recommendations are necessary.

REFERENCES

- DeFrancia, Carol S.
2006 *Archaeological Survey of MSC Exploration L.P. Company's Proposed Little Grand #35-2 Well Pad & Access Route in Grand County, Utah.* 4-CAS Report No. 2626, Moab.
- 1996 *Archaeological Survey of GCRL Energy's proposed Seismosaur Federal #1 Well Pad Near Thompson Springs Vicinity, Grand County, Utah.* 4-CAS Report No. 9624, Moab.
- 2006 *Archaeological Survey of Sunrise Engineering Company's Proposed Thompson Springs Water Storage Tank Expansion Area in Grand County, Utah.* 4-CAS Report No. 2620, Moab.
- 1996 *Archaeological Survey of GCRL Energy's proposed Seismosaur Federal #1 Well Pad Near Thompson Springs Vicinity, Grand County, Utah.* 4-CAS Report No. 9624, Moab.

Hauck, F.R.

1985 *Report on a Seismic Corridor Survey near Salt Wash and Thompson Wash, Utah, in Grand County. Utah State Permit # U-84-AF-0295b.* Ms on file at BLM Moab field office.

Montgomery, Keith R. & Jackie A. Montgomery

1982 *Cultural Resource Inventory of Arma Geophysical Seismic Corridor Survey Near Thompson Springs vicinity, Grand County, Utah. AERC Report #81-UT-179.* Ms on file at BLM Moab field office.

Stokes, William L.

1987 Geology of Utah. Occasional Paper No. 6. Utah Museum of Natural History, University of Utah, Salt Lake City.



SUITE 3000
370 17TH ST
DENVER CO 80202
USA
720/587-2500
FAX: 720/904-1392

September 22, 2006

Bureau of Land Management
Moab Field Office
82 East Dogwood
Moab, UT 84532

Attn: Minerals

Re: All Wells
Grand County, Utah

Gentlemen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Samson Resources Company when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.

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 with regulations.

Samson Resources Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned well.

Sincerely,

SAMSON RESOURCES COMPANY

A handwritten signature in cursive script that reads 'Georganne Mitchell'.

Georganne Mitchell
Surface Use Landman

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO. UTU-78300	6. SURFACE BLM
14. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF IND AN, ALLOTTEE OR TRIBE NAME: N/A	
8. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Power Line Unit (Proposed)	
2. NAME OF OPERATOR: Samson Resources Company		9. WELL NAME and NUMBER: Power Line #12-1	
3. ADDRESS OF OPERATOR: 370-17th Street, Suite 3000, Denver, CO 80202		PHONE NUMBER: 720/239-4387	10. FIELD AND POOL OR WILDCAT: Wildcat
4. LOCATION OF WELL (FOOTAGES): AT SURFACE: 2331' FSL and 620' FWL AT PROPOSED PRODUCING ZONE: NW SW		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Section 12, T23S - R18E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 27.5 miles Southwest of Crescent Junction.		12. COUNTY: Grand	13. STATE: UT
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 2331'	16. NUMBER OF ACRES IN LEASE: 1280	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
16. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED OR APPLIED FOR) ON THIS LEASE (FEET): None	19. PROPOSED DEPTH: 9800'	20. BOND DESCRIPTION: Nationwide Bond No. NM-2037	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4525' GL	22. APPROXIMATE DATE WORK WILL START: ASAP	23. ESTIMATED DURATION: 8 Days	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	9-5/8", 40#, J-55	3000'	670 sx Halliburton, 12.3 ppg, 2.35 ft3/sk + 270 sx Halliburton, 15.8 ppg, 1.17 ft3/sk
8-3/4"	7", 26 #, P-110	5850'	220 sx Halliburton, 12.5 ppg, 2.11 ft3/sk + 150 sx Premium, 15.8 ppg, 1.23 ft3/sk
6-1/8"	5", 18#, P-110	9800'	135 sx Premium, 21 ppg, 2.14 ft3/sk

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**

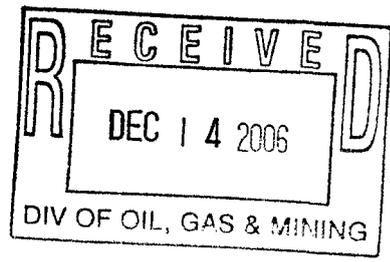
NAME (PLEASE PRINT): **Venessa Langmacher** TITLE: **Agent for Samson Resources Company**

SIGNATURE: *Venessa Langmacher* DATE: **December 14, 2006**

(This space for State use only)

API NUMBER ASSIGNED: 213-019-31502

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

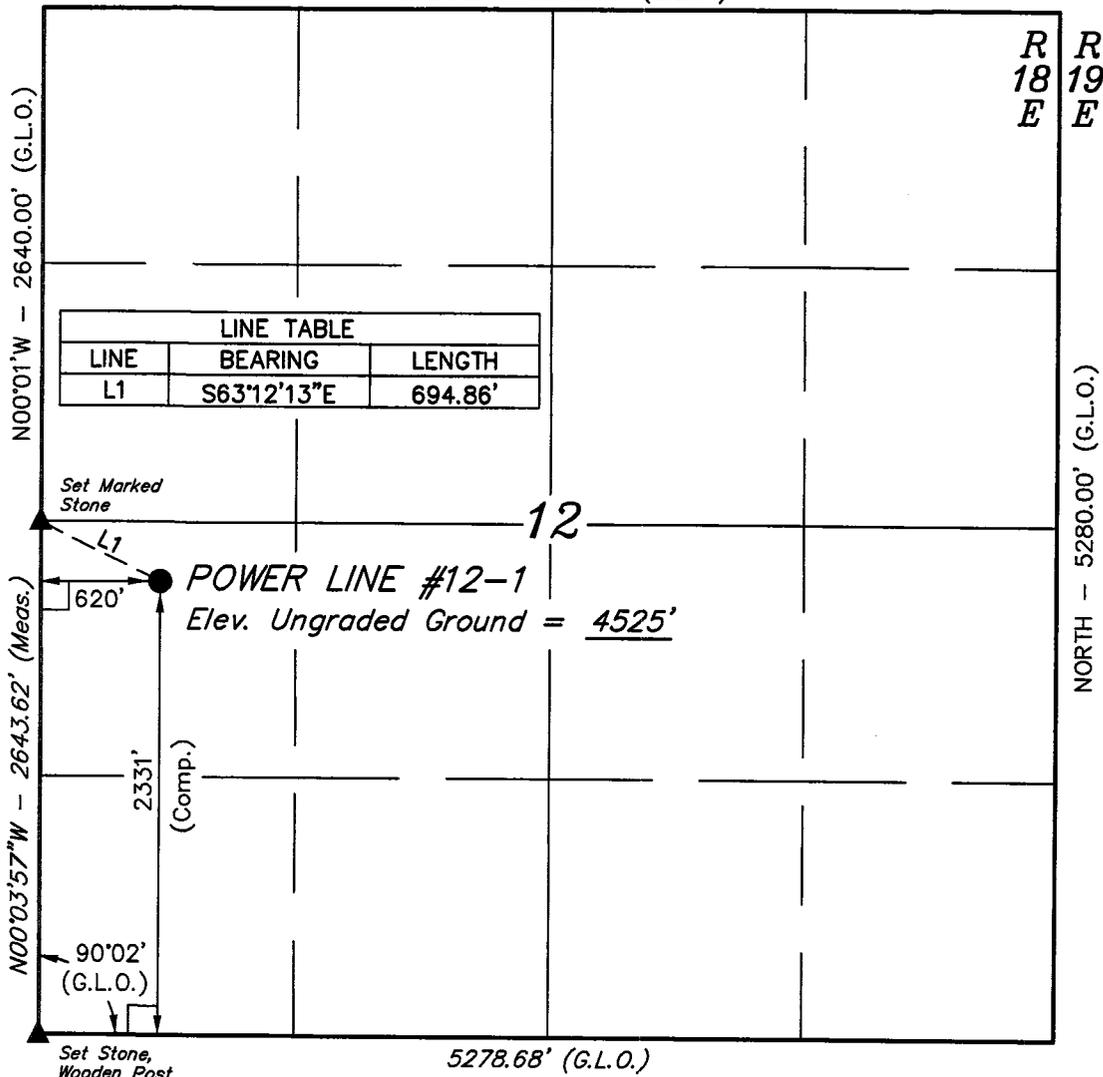


Federal Approval of this
Action is Necessary

Date: 12-18-06
By: *[Signature]*

T23S, R18E, S.L.B.&M.

N89°56'E - 5276.04' (G.L.O.)



R
18
E

R
19
E

NORTH - 5280.00' (G.L.O.)

SAMSON RESOURCES COMPANY

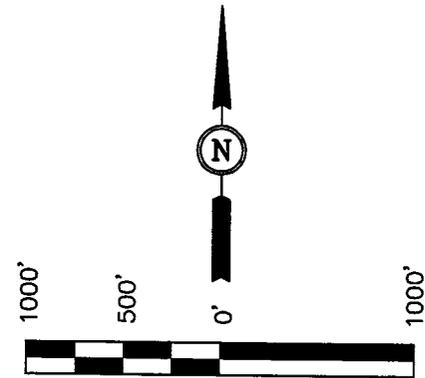
Well location, POWER LINE #12-1, located as shown in the NW 1/4 SW 1/4 of Section 12, T23S, R18E, S.L.B.&M., Grand County, Utah.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

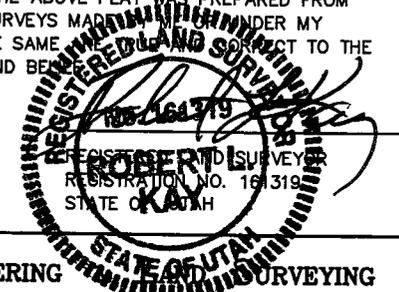
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 4, T23E, R18E, S.L.B.&M. TAKEN FROM THE DEE PASS QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4724 FEET.



SCALE
CERTIFICATE

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



LEGEND:

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

(AUTONOMOUS NAD 83)
 LATITUDE = 38°49'25.96" (38.823878)
 LONGITUDE = 109°53'27.51" (109.890975)
 (AUTONOMOUS NAD 27)
 LATITUDE = 38°49'26.05" (38.823903)
 LONGITUDE = 109°53'25.06" (109.890294)

UNTAH ENGINEERING SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-12-06	DATE DRAWN: 08-15-06
PARTY J.W. T.B. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE SAMSON RESOURCES COMPANY	

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
Attached.
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 Samson Resources Company under their Nationwide Bond No. NM-2037.
5. Operator certification.
Please be advised that Samson Resources Company is considered to be the operator of the above mentioned well. Samson Resources Company 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.

12/13/2006

**Powerline #12-1
Deep Cane Creek Gas Well
Surface: 2,331 FSL, 620' FWL, Sec. 32, T-23S-R-18E
BHL: Vertical Well
Grand Co., UT**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS: (based upon est. surface elev. of 4,525')

T/ Morrison	250' MD/TVD
T/ Moab Tongue	850' MD/TVD
T/ Entrada	925' MD/TVD
T/ Carmel	1,150' MD/TVD
T/ Navajo	1,225' MD/TVD
T/ Kayenta	1,750' MD/TVD
T/ Wingate	1,950' MD/TVD
T/ Chinle	2,225' MD/TVD
T/ Moenkopi	2,750' MD/TVD
T/ White Rim	3,125' MD/TVD
T/ Organ Rock	3,250' MD/TVD
T/ Organ Rock Mrk	3,450' MD/TVD
T/ Paradox Salt	5,750' MD/TVD
T/ Cane Creek	9,500' MD/TVD
T/ PX 22	9,600' MD/TVD
T/ EV 22	9,650' MD/TVD
TD	9,800' MD/TVD

2. **ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:**

Possible Aquifers: Unknown

Oil Shale: None Expected.

Oil: Possible oil in Moab Tongue, Entrada, Navajo, Kayenta, Wingate, and White Rim.

Gas: Possible gas in Cane Creek, PX 22, and EV 22.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing back to the surface. Intermediate and production casing will be cemented with sufficient volumes to attempt to bring cement back inside the previous casing string with minimum acceptable fill being equal to a depth of to 200' (min) inside the previous casing string to completely isolate all hydrocarbon bearing formations.

3. PRESSURE CONTROL EQUIPMENT:**For drilling surface hole to 3,000':**

No BOP equipment required. Rotating head will be utilized if a Surface Hole Drilling rig equipped to drill with air/air mist is used to preset surface casing.

For drilling through 9-5/8" surface casing to 5,850':

Maximum anticipated surface pressure is <10,000 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 10,000 psi equipment.

A casing head with an 11", 10,000 psi flange will be welded onto the 9-5/8" surface casing.

BOP stack will consist of either 3 single gates or a single gate and a double gate and annular preventer. The gate preventers will be equipped with 2 pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top pipe rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13-5/8" bore, 10,000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 10,000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 10,000 psi equipment, per BLM Oil & Gas Order #2.

For drilling through 7" intermediate casing to TD:

Maximum anticipated surface pressure is <10,000 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 10,000 psi equipment.

BOP stack will consist of either 3 single gates or a single gate and a double gate and annular preventer. The gate preventers will be equipped with 2 pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top pipe rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13-5/8" bore, 10,000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 10,000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 10,000 psi equipment, per BLM Oil & Gas Order #2.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
9-5/8"	40 #/ft	J-55	STC	No	*
7"	26 #/ft	P-110	LTC	No	As Needed
5"	18 #/ft	P-110	FJL	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and last collars.

Casing Design Information (9-5/8" casing @ 3,000')

Collapse value for new pipe: 2,570 psi Actual Load: 1,290 psi S.F.: 2.0

Burst value for new pipe: 3,950 psi Actual Load: 3,000 psi S.F.: 1.3

Tension value for new pipe: 452,000 # Actual Load: 120,000 # S.F.: 3.8

(7" casing @ 5,850')

Collapse value for new pipe: 6,210 psi Actual Load: 5,265 psi S.F.: 1.2

Burst value for new pipe: 9,960 psi Actual Load: 5,265 psi S.F.: 1.9

Tension value for new pipe: 693,000 # Actual Load: 152,100 # S.F.: 4.6

(5" casing @ 9,800')

Collapse value for new pipe: 13,450 psi Actual Load: 8,820 psi S.F.: 1.5

Burst value for new pipe: 13,940 psi Actual Load: 8,820 psi S.F.: 1.6

Tension value for new pipe: 495,000 # Actual Load: 176,400 # S.F.: 2.8

Safety Factor Calculation Assumptions:

- Burst Load:** Surface string: MASP = shoe breakdown pressure of 1.0 psi/ft.
Intermediate string/Liners: 100% evacuation. Highest pore pressure in the open hole minus 0.10 psi/ft gas gradient. No consideration for shoe breakdown pressure.
- Collapse Load:** Complete evacuation with maximum pore pressure behind casing minus 0.10 psi/ft gas gradient.
- Tension Load:** Weight in air.

Cement Information:

Casing	Cement
9-5/8"	Oilfield type cement circulated in place. 670 sx lead slurry of Halliburton Rockies LT mixed to 12.3 ppg, yield = 2.35 ft ³ /sx for 2,500' of fill. 270 sx tail slurry of Halliburton Premium cement mixed to 15.8 ppg, yield = 1.17 ft ³ /sx for 500' of fill. Calculations include 100% excess based upon gauge hole. Sufficient cement volume will be pumped to attempt to fill back to surface. A top job will be pumped if cement returns are not seen. Slurry to consist of Halliburton Premium cement mixed to 15.8 ppg, yield = 1.17 ft ³ /sx.
7"	220 sx lead slurry of Halliburton Light Standard mixed to 12.5 ppg, yield = 2.11 ft ³ /sx for 2,200' of fill. 150 sx tail slurry of 94 lbm/sx Premium Cement mixed to 15.8 ppg, yield = 1.23 ft ³ /sx for 850' of fill. Calculations include 40% excess based upon gauge hole. Sufficient cement volume will be pumped to attempt to fill back to 200' above the surface casing shoe.
5"	135 sx of 94 lbm/sx Premium Cement mixed to 21 ppg, yield = 2.14 ft ³ /sx for 4,150' of fill. Calculations include 30% excess based upon gauge hole. Sufficient cement volume will be pumped to attempt to fill back to 200' above the intermediate casing shoe.

*All volumes are estimates and may be adjusted based upon actual conditions during the course of drilling operations. Total sacks may be adjusted due to slight variations in slurry yield

Drilling Equipment:

Surface Hole (0'-3,000')

Drilling of the surface hole will be with a Surface Hole drilling rig equipped to drill with air/air mist if the rig is available. Hole size will be in the 12 ¼" - 11" range at the discretion of the drilling contractor.

Variance to Onshore Oil and Gas Order No. 2 III -E. *Special Drilling Operations* which addresses additional drilling equipment required for drilling with air/gas is requested for the Surface Hole drilling rig which may be used to preset surface casing. Auxiliary Equipment to be used is outlined in Section 8. Air/gas will not be used to drill below surface casing.

If the Surface Hole drilling rig is not available to preset the surface casing a conventional rotary drilling rig will be used to drill the surface hole. A 12-1/4" hole will be drilled utilizing fresh water mud.

Intermediate Hole (3,000'-5,850")

Drilling below surface casing will be with conventional rotary equipment utilizing oil based mud. Hole size will be 8-3/4".

Production Hole (5,850'-TD)

Drilling below intermediate casing will be with conventional rotary equipment utilizing oil based mud. Hole size will be 6-1/8"

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface Hole (0'-3,000')

Surface hole will be drilled with air/air mist if a Surface Hole drilling rig is utilized to preset surface casing prior to moving in and rigging up a conventional rotary drilling rig.

Mud circulating equipment and materials as specified in Onshore Order #2, III - E will not be kept on location due to the fact that the Surface Hole drilling rig equipped to drill with air/air mist is not equipped to circulate mud.

If a Surface Hole drilling rig is not utilized to preset the surface casing a conventional rotary rig will be used to drill the surface hole. Water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers will be used. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location.

Intermediate Hole (3,000'-5,850')

Drilling below surface casing will be with oil based drilling fluids consisting primarily of diesel, water, viscosifiers, and lime. Oil to water ratios will be maintained in the 90:10 range. Calcium chloride will be used to maintain mud salinity in the 250,000 to 300,000 mg/l range and the Lime content will be kept above 2 lbs/bbl. Maximum anticipated mud weight is ± 14.0 ppg.

A sufficient quantity of weighting material will be kept on location.

PVT/Flow Show will be on location and operable from base of surface casing to TD.

Gas detector will be used from surface casing depth (depth mud loggers on) to TD.

12/13/2006

Production Hole (5,850'-TD)

Drilling below surface casing will be with oil based drilling fluids consisting primarily of diesel, water, viscosifiers, and lime. Oil to water ratios will be maintained in the 90:10 range. Calcium chloride will be used to maintain mud salinity in the 250,000 to 300,000 mg/l range and the Lime content will be kept above 2 lbs/bbl. Maximum anticipated mud weight is ± 19.5 ppg.

A sufficient quantity of weighting material will be kept on location.

PVT/Flow Show will be on location and operable from base of surface casing to TD.

Gas detector will be used from surface casing depth (depth mud loggers on) to TD.

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging:	Surface casing depth to TD
Electric Logging:	A complete suite of open hole logs will be run.

Coring:

None planned but are possible.

Testing:

None planned but are possible.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal to over-pressure gradient to TD.

Pressure Gradient for the area varies from 0.45 psi/ft to 1.0 psi/ft depending on degree of depletion encountered.

Maximum expected BHP @ 9,800':	~9,800 psi
Maximum expected BHT @ 9,800':	~200° F

8. OTHER:

Auxiliary Equipment

Conventional Rotary Drilling Rig

Mud Logging Unit
Geolograph
PVT-Flowmeter
Desilter
Desander
Full Opening Safety Valve
Upper Kelly Valve
Lower Kelly Valve

Completion

Pending evaluation of open-hole logs, the productive intervals will be perforated, fracture treated, and cleaned up.

2-3/8", 4.7#, L/N-80, EUE, 8rd or 2-7/8", 6.5#, L/N-80, EUE, 8rd production tubing will be installed.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/14/2006

API NO. ASSIGNED: 43-019-31502

WELL NAME: POWER LINE 12-1
 OPERATOR: SAMSON RESOURCES (N8020)
 CONTACT: TABATHA PARKER

PHONE NUMBER: 303-857-9999

PROPOSED LOCATION:
 NWSW 12 230S 180E
 SURFACE: 2331 FSL 0620 FWL
 BOTTOM: 2331 FSL 0620 FWL
 COUNTY: GRAND
 LATITUDE: 38.82380 LONGITUDE: -109.8901
 UTM SURF EASTINGS: 596348 NORTHINGS: 4297601
 FIELD NAME: WILDCAT (1)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-78300
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: CNCR
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. NM-2037)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 92-180)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (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 Strip

T23S R18E

T23S R19E

2

1

6

11

POWER
LINE 12-1


12

7

14

13

18

OPERATOR: SAMSON RES CO (N8020)

SEC: 12 T.23S R.18E

FIELD: WILDCAT (001)

COUNTY: GRAND

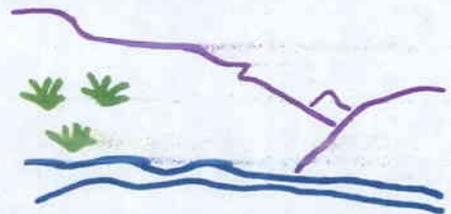
SPACING: R649-3-3 / EXCEPTION LOCATION

- Field Status**
-  ABANDONED
 -  ACTIVE
 -  COMBINED
 -  INACTIVE
 -  PROPOSED
 -  STORAGE
 -  TERMINATED

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

Wells Status

-  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
-  DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 27-SEPTEMBER-2006



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

December 15, 2006

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

Attn: Diana Whitney

Re: **Samson Resources Company**
Power Line #12-1
2331' FSL and 620' FWL
NW SW Section 12, T23S - R18E
Grand County, Utah

Diana,

Please note that this location was staked at non-standard spacing in accordance with the rules and regulations of the Utah Division of Oil Gas and Mining. This was done for geologic considerations. Please also note that Samson Resources Company is the only working interest owners within a 460 foot radius. Therefore, we request your administrative approval of this exception to spacing.

If you should need additional information, please don't hesitate to contact me

Sincerely,

PERMITCO INC.

Venessa Langmacher
Consultant for
Samson Resources Company

Enc.

cc: Samson Resources Company - Denver, CO



State of Utah

Department of
Natural Resources

MICHAEL R. STYLER
Executive Director

Division of
Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

December 18, 2006

Samson Resources Company
370 17th St., Ste. 3000
Denver, CO 80202

Re: Power Line 12-1 Well, 2331' FSL, 620' FWL, NW SW, Sec. 12, T. 23 South,
R. 18 East, Grand 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-019-31502.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Samson Resources Company

Well Name & Number Power Line 12-1

API Number: 43-019-31502

Lease: UTU-78300

Location: NW SW Sec. 12 T. 23 South R. 18 East

Conditions of Approval

1. General

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

2. Notification Requirements

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. 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.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

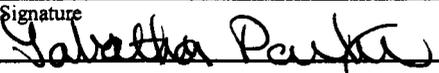
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-78300	
b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Samson Resources Company			7. If Unit or CA Agreement, Name and No. Power Line Unit (Proposed)	
3. Name of Agent PermitCo Inc. - Agent			8. Lease Name and Well No. Power Line #12-1	
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 2331' FSL and 620' FWL At proposed prod. zone NW SW			9. API Well No. 4301931502	
14. Distance in miles and direction from nearest town or post office* Approximately 27.5 miles Southwest of Crescent Junction.			10. Field and Pool, or Exploratory Wildcat	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2331'			11. Sec., T., R., M., or Blk. and Survey or Area Section 12, T23S - R18E	
16. No. of Acres in lease 1280			12. County or Parish Grand	
17. Spacing Unit dedicated to this well 40 acres			13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. None			19. Proposed Depth 3400' 9800'	
20. BLM/BIA Bond No. on file Nationwide Bond No. NM-2037			21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4525' GL	
22. Approximate date work will start* ASAP			23. Estimated duration 8 Days	

24. Attachments

CONFIDENTIAL-TIGHT HOLE

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

- | | |
|--|---|
| <ul style="list-style-type: none"> 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, the SUPO shall be filed with the appropriate Forest Service Office). | <ul style="list-style-type: none"> 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 officer. |
|--|---|

25. Signature 	Name (Printed/Typed) Tabatha Parker	Date 9/22/2006
Title Authorized Agent for Samson Resources Company		
Approved by (Signature) <i>/s/ A. Lynn Jackson</i>	Name (Printed/Typed) <i>/s/ A. Lynn Jackson</i>	Date 1/25/07
Title Assistant Field Manager, Division of Resources	Office Division of Resources 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, 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.

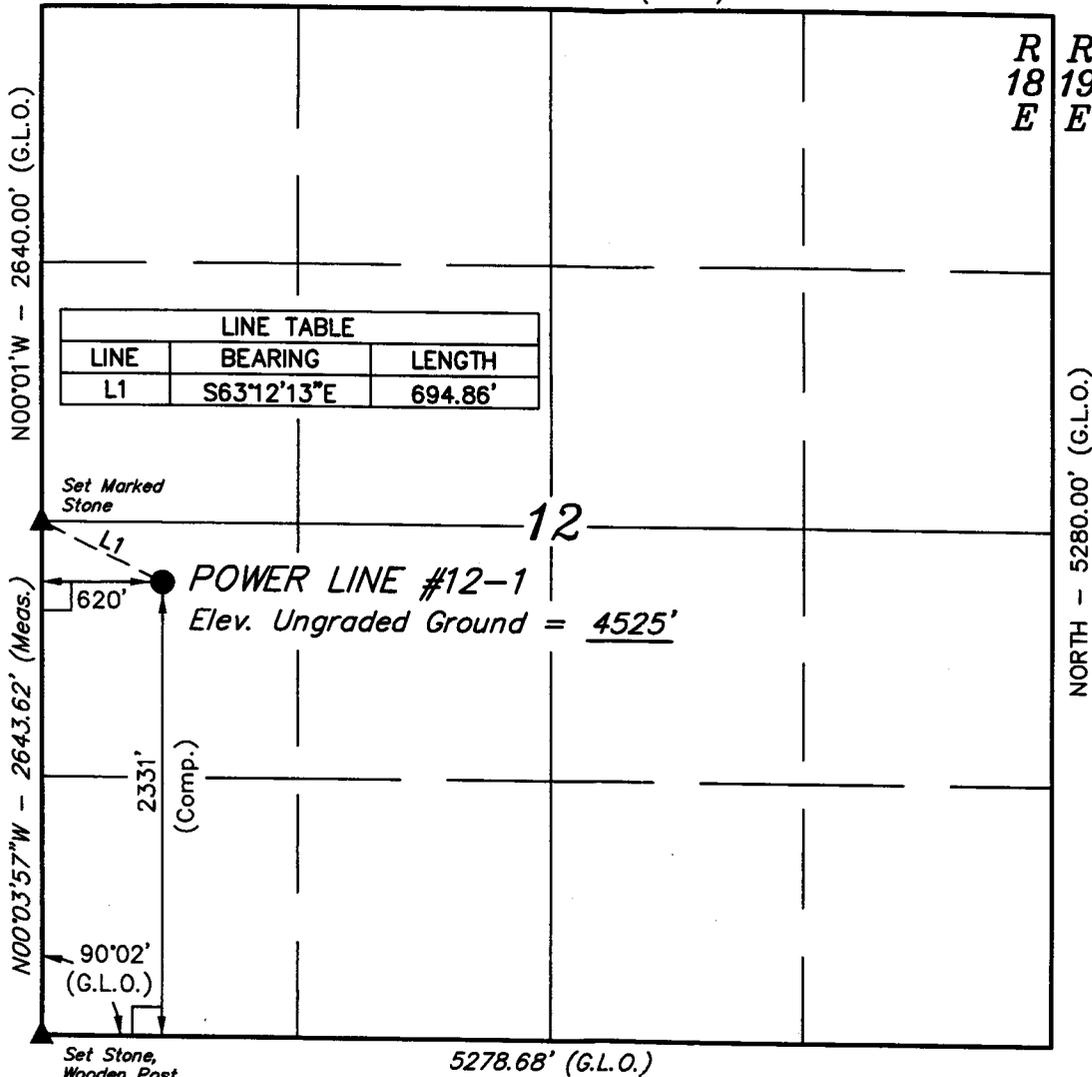
*(Instructions on reverse)

RECEIVED
CONDITIONS OF APPROVAL ATTACHED
JAN 29 2007

DIV. OF OIL, GAS & MINING

T23S, R18E, S.L.B.&M.

N89°56'E - 5276.04' (G.L.O.)



N00°01'W - 2640.00' (G.L.O.)

N00°03'57"W - 2643.62' (Meas.)

NORTH - 5280.00' (G.L.O.)

R 18
E

R 19
E

SAMSON RESOURCES COMPANY

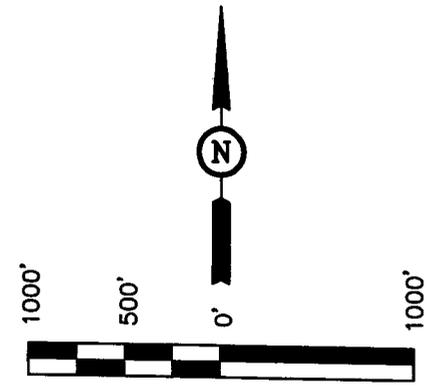
Well location, POWER LINE #12-1, located as shown in the NW 1/4 SW 1/4 of Section 12, T23S, R18E, S.L.B.&M., Grand County, Utah.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

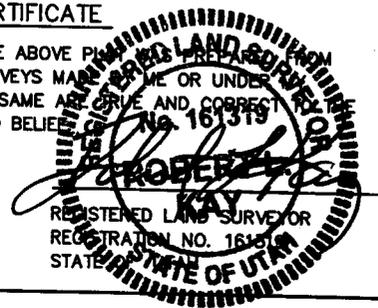
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 4, T23E, R18E, S.L.B.&M. TAKEN FROM THE DEE PASS QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4724 FEET.



SCALE CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE 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.



LEGEND:

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

(AUTONOMOUS NAD 83)
 LATITUDE = 38°49'25.96" (38.823878)
 LONGITUDE = 109°53'27.51" (109.890975)
 (AUTONOMOUS NAD 27)
 LATITUDE = 38°49'26.05" (38.823903)
 LONGITUDE = 109°53'25.06" (109.890294)

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

SCALE 1" = 1000'	DATE SURVEYED: 08-12-06	DATE DRAWN: 08-15-06
PARTY J.W. T.B. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE SAMSON RESOURCES COMPANY	

Samson Resources Company
Powerline 12-1
Lease UTU-78300
NW/SW Sec. 12, T23S, R18E
Grand County, Utah

A COMPLETE COPY OF THIS APPROVED PERMIT and Conditions of Approval shall be maintained on location during all construction and drilling operations, 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 Samson Resources Company 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 **NM 2037** (Principal – Samson Resources Company) 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 subcontractors. Failure to comply with the provisions of this permit, including applicable regulations, stipulations, and/or approval conditions, will be considered a violation subject to the enforcement provisions of 43 CFR Subpart 3163.

A. DRILLING PROGRAM

1. The proposed 10M BOP system 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. As a required component of a 10M BOP system, a mud/gas separator shall be installed prior to reaching a depth of 9000' (Onshore Order #2.III.C.8).
3. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
4. Drilling reports, which describe the activities of each day, shall be submitted to the BLM Moab Field Office on a weekly, or more frequent, basis. In addition to a daily summary of activities, drilling reports shall include the drilling fluid weight, details of casing and cement, water flows, lost circulation zones and any other information that would contribute to our understanding of drilling conditions.
5. Oil shall not be used as a component of the drilling fluid while drilling the surface hole section (surface to 3000 feet).
6. If a loss-of-returns is experienced while cementing the intermediate casing string, a Cement Bond Log (CBL) or other appropriate tool for determining cement top shall be run.
7. A pressure integrity test of the intermediate casing shoe shall be conducted prior to drilling more than 20 feet below the shoe (Onshore Order #2.III.B.1.i).

- c. The remaining reserve pit solids will be tested prior to closure. At least three samples will be taken from different areas of the pit. These samples will be analyzed by an independent laboratory for salt properties (electrical conductivity, sodium adsorption ratio and exchangeable sodium percentage), heavy metal content and oil and grease content. The results of these tests will be provided to the Moab Field Office within 30 days of analysis.
 - d. The operator will provide a written plan for the closure of the reserve pit using stabilization or solidification techniques. The plan will be reviewed and approved by Moab Field Office prior to initiating pit closure.
 - e. The mixed contents will be tested and analyzed by an independent laboratory for salt properties and heavy metals. The results of this testing will be provided to the Moab Field Office within 30 days of analysis.
 - f. The Moab Field Office will be kept informed of the timetables for all operations described above so that they can be witnessed.
 - g. Alternate closure procedures or methods using similar techniques that would meet the BLM objectives for pit closure may be submitted for review. No alternate pit closure techniques will be initiated prior to BLM review and approval.
6. If the well is productive, the access road will be brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the authorized officer will be notified so that temporary drainage control can be installed along the access road. Portions of the road will be surfaced with pit-run gravel or other rock materials if the road is used for all-weather access.
7. In the event the well pad or road is graveled or surfaced, the material will be removed prior to recontouring the surface for rehabilitation.
8. The operator will be responsible for weed control on the disturbed areas within the limits of the well pad and road construction. The operator will be responsible for consultation with the authorized officer and/or local authorities for acceptable weed control methods.
9. The operator shall maintain the existing roads in a safe, usable condition, as directed by the Moab Field Office and Grand County Road Department. The maintenance program shall include, but is not limited to, blading, ditching, installing culverts, and if needed, surfacing the road with rock materials. The operator shall conduct all activities associated with the Grand County roads within the existing surface disturbances of the maintained roads. The operator shall repair all damages to the county roads resulting from traffic associated with constructing, drilling, and producing the well.

B. SURFACE USE PLAN

1. No surface disturbing activities will take place on the well pad or roads to the subject lease until the associated road right-of-way is approved. The operator will adhere to the specifications in the Surface Use Plan of the approved APD, relevant to any right-of-way facilities.
2. In order to protect watershed values, no road/well pad construction or drilling operations will be authorized between November 1 and April 30. The limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation may be specified in writing by the Moab Field Office.
3. In order to protect nesting raptors, no road/well pad construction or drilling operations will be authorized within 0.5 mile of raptor nesting sites between March 1 and August 31. The limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation may be specified in writing by the Moab Field Office.
4. The reserve pit will be lined. A synthetic liner will need to meet the following requirements:
 - a. A minimum lifespan for UV protection of 18 months,
 - b. Permeability not to exceed 1×10^{-7} cm/sec, and
 - c. A minimum thickness of 12 mils.

The synthetic liner will be installed following the manufacturer's installation procedures for bedding and installation, to assure it will not be punctured during installation or drilling operations.

If bentonite is utilized for lining the reserve pit, the operator will provide written specifications for the liner and construction procedures, and the plan will be reviewed and approved by Moab BLM prior to installing the bentonite liner.

5. Due to the salt content and oil based fluids contained in the reserve pit and pit solids, the following procedures will be required for the closure of the reserve pit:
 - a. At the end of drilling operations and prior to reclamation of the reserve pit, the fourth side of the pit will be fenced and the top of the pit will be covered with netting of one inch or less to prevent access by birds.
 - b. Upon completion of drilling operations, the reserve pit will be de-watered. Depending on the conditions at the time of disposal, the waste water will be (a) disposed of off-site at an approved disposal facility, (b) reinjected with the appropriate Underground Injection Control Permit from the State Division of Oil, Gas and Mining with concurrent approval by the Moab Field Office of the Bureau of Land Management (BLM), or (c) allowed to evaporate.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Notify the Moab Field Office at least 48-hours prior to commencing construction of location.

Spud- Notify the Moab Field Office 24-hours prior to spud. Submit written notification (Sundry Notice, Form 3160-5) to the Moab Field Office within 24-hours after spud, regardless of whether using a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports that describe the progress and status of the well shall be submitted to the Moab Field Office on at least a weekly basis. This report may be in any format customarily used by the operator.

Oil and Gas Operations Reports (OGORs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

Sundry Notices- Any modification to the proposed drilling program shall be submitted to the Moab Field Office on a Sundry Notice (Form 3160-5). Regulations at 43 CFR 3162.3-2 describe which operations require prior approval, and which require notification.

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, immediately notify the Moab Field Office, and work that might disturb the cultural resources shall cease.

First 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.

Notify the Moab Field Office when the well is placed into production. Initial notification may be verbal, but must be confirmed in writing within five business days. Please include the date production started, the producing formation and production volumes.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, a *Well Completion or Recompletion Report and Log* (Form 3160-4) shall be submitted to the Moab Field Office within thirty-days after completion of the well. 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 to be shut-in until the gas can be captured or until approval to continue the venting/flaring pursuant to NTL-4A is granted. Compensation shall be due for gas that is vented/flared without approval.

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 of production prior to the sales measurement point. The term "commingling" describes both the combining of production from different geologic zones and/or combining production from different leases or agreement areas.

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

A "Subsequent Report of Abandonment" (Sundry Notice, 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 Moab Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Rich McClure (435-259-2127) or Jack Johnson (435-259-2129) of the BLM Moab Field Office for the following:

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

1 day prior to spud; (Johnson)

50 feet prior to reaching the surface and intermediate casing setting depths; (Johnson)

3 hours prior to testing BOP equipment. (Johnson)

If the person at the above number cannot be reached, notify the BLM Moab Field Office at 435-259-2100.

Well abandonment operations require 24-hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained from:

Eric Jones, Petroleum Engineer

Office: 435-259-2117

Home: 435-259-2214



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

January 31, 2007

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

43-019-31502

Attn: Diana Whitney

Re: **Samson Resources Company**
Powerline #12-1
2331' FSL and 620' FWL
NW SW Section 12, T23S - R18E
Grand County, Utah

Dear Diana,

Enclosed please find an amended report (APD) for the subject well. The TD has been increased from 3400' to 9800' and the casing and cementing plans have been updated. In addition, a revised drilling program is enclosed.

Please note that this location was staked at non-standard spacing in accordance with the rules and regulations of the Utah Division of Oil, Gas, and Mining. This was done for geologic considerations. Please also note that Samson Resources Company is the only working interest owner within a 460 foot radius. Therefore, we request your administrative approval of this exception to spacing.

If you should need additional information, please don't hesitate to contact me.

Sincerely,

PERMITCO INC.

Lisa Smith
Consultant for:
Samson Resources Company

RECEIVED

FEB 02 2007

Enc.

cc: Samson Resources Company - Denver, CO

DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO.: UTU-78300	6. SURFACE: BLM
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: Power Line Unit (Proposed)	
2. NAME OF OPERATOR: Samson Resources Company			9. WELL NAME and NUMBER: Power Line #12-1	
3. ADDRESS OF OPERATOR: 370-17th Street, Suite 3000, Denver, CO 80202		PHONE NUMBER: 720/239-4387	10. FIELD AND POOL, OR WILDCAT: Wildcat	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2331' FSL and 620' FWL AT PROPOSED PRODUCING ZONE: NW SW			11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: Section 12, T23S - R18E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 27.5 miles Southwest of Crescent Junction.			12. COUNTY: Grand	13. STATE: UT
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 2331'	16. NUMBER OF ACRES IN LEASE: 1280	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): None	19. PROPOSED DEPTH: 9800'	20. BOND DESCRIPTION: Nationwide Bond No. NM-2037		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4525' GL	22. APPROXIMATE DATE WORK WILL START: ASAP	23. ESTIMATED DURATION: 8 Days		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	9-5/8", 40#, J-55	3000'	670 sx Halliburton, 12.3 ppg, 2.35 ft3/sk + 270 sx Halliburton, 15.8 ppg, 1.17 ft3/sk
8-3/4"	7", 26 #, P-110	5850'	220 sx Halliburton, 12.5 ppg, 2.11 ft3/sk + 150 sx Premium, 15.8 ppg, 1.23 ft3/sk
6-1/8"	5", 18#, P-110	9800'	135 sx Premium, 21 ppg, 2.14 ft3/sk

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 Smith** TITLE **Agent for Samson Resources Company**

SIGNATURE  DATE **January 31, 2007**

(This space for State use only)

API NUMBER ASSIGNED: _____ APPROVAL: _____

**Powerline #12-1
Deep Cane Creek Gas Well
Surface: 2,331 FSL, 620' FWL, Sec. 32, T-23S-R-18E
BHL: Vertical Well
Grand Co., UT**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS: (based upon est. surface elev. of 4,525')

T/ Morrison	250' MD/TVD
T/ Moab Tongue	850' MD/TVD
T/ Entrada	925' MD/TVD
T/ Carmel	1,150' MD/TVD
T/ Navajo	1,225' MD/TVD
T/ Kayenta	1,750' MD/TVD
T/ Wingate	1,950' MD/TVD
T/ Chinle	2,225' MD/TVD
T/ Moenkopi	2,750' MD/TVD
T/ White Rim	3,125' MD/TVD
T/ Organ Rock	3,250' MD/TVD
T/ Organ Rock Mrk	3,450' MD/TVD
T/ Paradox Salt	5,750' MD/TVD
T/ Cane Creek	9,500' MD/TVD
T/ PX 22	9,600' MD/TVD
T/ EV 22	9,650' MD/TVD
TD	9,800' MD/TVD

2. **ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:**

Possible Aquifers: Unknown

Oil Shale: None Expected.

Oil: Possible oil in Moab Tongue, Entrada, Navajo, Kayenta, Wingate, and White Rim.

Gas: Possible gas in Cane Creek, PX 22, and EV 22.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing back to the surface. Intermediate and production casing will be cemented with sufficient volumes to attempt to bring cement back inside the previous casing string with minimum acceptable fill being equal to a depth of to 200' (min) inside the previous casing string to completely isolate all hydrocarbon bearing formations.

3. PRESSURE CONTROL EQUIPMENT:**For drilling surface hole to 3,000':**

No BOP equipment required. Rotating head will be utilized if a Surface Hole Drilling rig equipped to drill with air/air mist is used to preset surface casing.

For drilling through 9-5/8" surface casing to 5,850':

Maximum anticipated surface pressure is <10,000 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 10,000 psi equipment.

A casing head with an 11", 10,000 psi flange will be welded onto the 9-5/8" surface casing.

BOP stack will consist of either 3 single gates or a single gate and a double gate and annular preventer. The gate preventers will be equipped with 2 pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top pipe rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13-5/8" bore, 10,000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 10,000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 10,000 psi equipment, per BLM Oil & Gas Order #2.

For drilling through 7" intermediate casing to TD:

Maximum anticipated surface pressure is <10,000 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 10,000 psi equipment.

BOP stack will consist of either 3 single gates or a single gate and a double gate and annular preventer. The gate preventers will be equipped with 2 pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top pipe rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13-5/8" bore, 10,000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 10,000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 10,000 psi equipment, per BLM Oil & Gas Order #2.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
9-5/8"	40 #/ft	J-55	STC	No	*
7"	26 #/ft	P-110	LTC	No	As Needed
5"	18 #/ft	P-110	FJL	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and last collars.

Casing Design Information (9-5/8" casing @ 3,000'):

Collapse value for new pipe: 2,570 psi Actual Load: 1,290 psi S.F.: 2.0

Burst value for new pipe: 3,950 psi Actual Load: 3,000 psi S.F.: 1.3

Tension value for new pipe: 452,000 # Actual Load: 120,000 # S.F.: 3.8

(7" casing @ 5,850'):

Collapse value for new pipe: 6,210 psi Actual Load: 5,265 psi S.F.: 1.2

Burst value for new pipe: 9,960 psi Actual Load: 5,265 psi S.F.: 1.9

Tension value for new pipe: 693,000 # Actual Load: 152,100 # S.F.: 4.6

(5" casing @ 9,800'):

Collapse value for new pipe: 13,450 psi Actual Load: 8,820 psi S.F.: 1.5

Burst value for new pipe: 13,940 psi Actual Load: 8,820 psi S.F.: 1.6

Tension value for new pipe: 495,000 # Actual Load: 176,400 # S.F.: 2.8

Safety Factor Calculation Assumptions:

- Burst Load:** Surface string: MASP = shoe breakdown pressure of 1.0 psi/ft.
Intermediate string/Liners: 100% evacuation. Highest pore pressure in the open hole minus 0.10 psi/ft gas gradient. No consideration for shoe breakdown pressure.
- Collapse Load:** Complete evacuation with maximum pore pressure behind casing minus 0.10 psi/ft gas gradient.
- Tension Load:** Weight in air.

Cement Information:**Casing Cement**

- 9-5/8"** Oilfield type cement circulated in place. 670 sx lead slurry of Halliburton Rockies LT mixed to 12.3 ppg, yield = 2.35 ft³/sx for 2,500' of fill. 270 sx tail slurry of Halliburton Premium cement mixed to 15.8 ppg, yield = 1.17 ft³/sx for 500' of fill. Calculations include 100% excess based upon gauge hole. Sufficient cement volume will be pumped to attempt to fill back to surface. A top job will be pumped if cement returns are not seen. Slurry to consist of Halliburton Premium cement mixed to 15.8 ppg, yield = 1.17 ft³/sx.
- 7"** 220 sx lead slurry of Halliburton Light Standard mixed to 12.5 ppg, yield = 2.11 ft³/sx for 2,200' of fill. 150 sx tail slurry of 94 lbm/sx Premium Cement mixed to 15.8 ppg, yield = 1.23 ft³/sx for 850' of fill. Calculations include 40% excess based upon gauge hole. Sufficient cement volume will be pumped to attempt to fill back to 200' above the surface casing shoe.
- 5"** 135 sx of 94 lbm/sx Premium Cement mixed to 21 ppg, yield = 2.14 ft³/sx for 4,150' of fill. Calculations include 30% excess based upon gauge hole. Sufficient cement volume will be pumped to attempt to fill back to 200' above the intermediate casing shoe.

*All volumes are estimates and may be adjusted based upon actual conditions during the course of drilling operations. Total sacks may be adjusted due to slight variations in slurry yield

Drilling Equipment:**Surface Hole (0'-3,000')**

Drilling of the surface hole will be with a Surface Hole drilling rig equipped to drill with air/air mist if the rig is available. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

Variance to Onshore Oil and Gas Order No. 2 III -E. *Special Drilling Operations* which addresses additional drilling equipment required for drilling with air/gas is requested for the Surface Hole drilling rig which may be used to preset surface casing. Auxiliary Equipment to be used is outlined in Section 8. Air/gas will not be used to drill below surface casing.

If the Surface Hole drilling rig is not available to preset the surface casing a conventional rotary drilling rig will be used to drill the surface hole. A 12-1/4" hole will be drilled utilizing fresh water mud.

Intermediate Hole (3,000'-5,850')

Drilling below surface casing will be with conventional rotary equipment utilizing oil based mud. Hole size will be 8-3/4".

Production Hole (5,850'-TD)

Drilling below intermediate casing will be with conventional rotary equipment utilizing oil based mud. Hole size will be 6-1/8"

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface Hole (0'-3,000')

Surface hole will be drilled with air/air mist if a Surface Hole drilling rig is utilized to preset surface casing prior to moving in and rigging up a conventional rotary drilling rig.

Mud circulating equipment and materials as specified in Onshore Order #2, III - E will not be kept on location due to the fact that the Surface Hole drilling rig equipped to drill with air/air mist is not equipped to circulate mud.

If a Surface Hole drilling rig is not utilized to preset the surface casing a conventional rotary rig will be used to drill the surface hole. Water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers will be used. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location.

Intermediate Hole (3,000'-5,850')

Drilling below surface casing will be with oil based drilling fluids consisting primarily of diesel, water, viscosifiers, and lime. Oil to water ratios will be maintained in the 90:10 range. Calcium chloride will be used to maintain mud salinity in the 250,000 to 300,000 mg/l range and the Lime content will be kept above 2 lbs/bbl. Maximum anticipated mud weight is ± 14.0 ppg.

A sufficient quantity of weighting material will be kept on location.

PVT/Flow Show will be on location and operable from base of surface casing to TD.

Gas detector will be used from surface casing depth (depth mud loggers on) to TD.

Production Hole (5,850'-TD)

Drilling below surface casing will be with oil based drilling fluids consisting primarily of diesel, water, viscosifiers, and lime. Oil to water ratios will be maintained in the 90:10 range. Calcium chloride will be used to maintain mud salinity in the 250,000 to 300,000 mg/l range and the Lime content will be kept above 2 lbs/bbl. Maximum anticipated mud weight is ± 19.5 ppg.

A sufficient quantity of weighting material will be kept on location.

PVT/Flow Show will be on location and operable from base of surface casing to TD.

Gas detector will be used from surface casing depth (depth mud loggers on) to TD.

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging:
Electric Logging:

Surface casing depth to TD
A complete suite of open hole
logs will be run.

Coring:

None planned but are possible.

Testing:

None planned but are possible.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal to over-pressure gradient to TD.

Pressure Gradient for the area varies from 0.45 psi/ft to 1.0 psi/ft depending on degree of depletion encountered.

Maximum expected BHP @ 9,800':	~9,800 psi
Maximum expected BHT @ 9,800':	~200° F

8. **OTHER:**

Auxiliary Equipment

Conventional Rotary Drilling Rig

Mud Logging Unit
Geolograph
PVT-Flowmeter
Desilter
Desander
Full Opening Safety Valve
Upper Kelly Valve
Lower Kelly Valve

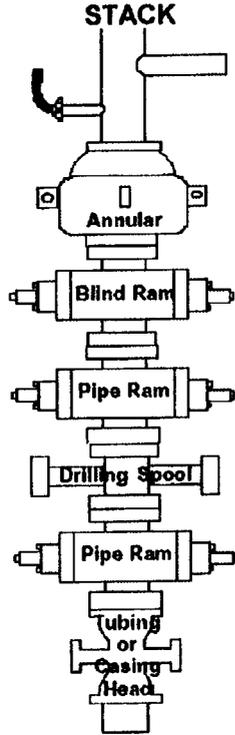
Completion

Pending evaluation of open-hole logs, the productive intervals will be perforated, fracture treated, and cleaned up.

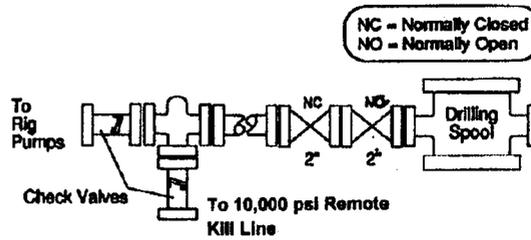
2-3/8", 4.7#, L/N-80, EUE, 8rd or 2-7/8", 6.5#, L/N-80, EUE, 8rd production tubing will be installed.

BOP Schematic

CLASS IV 10,000 psi BOP

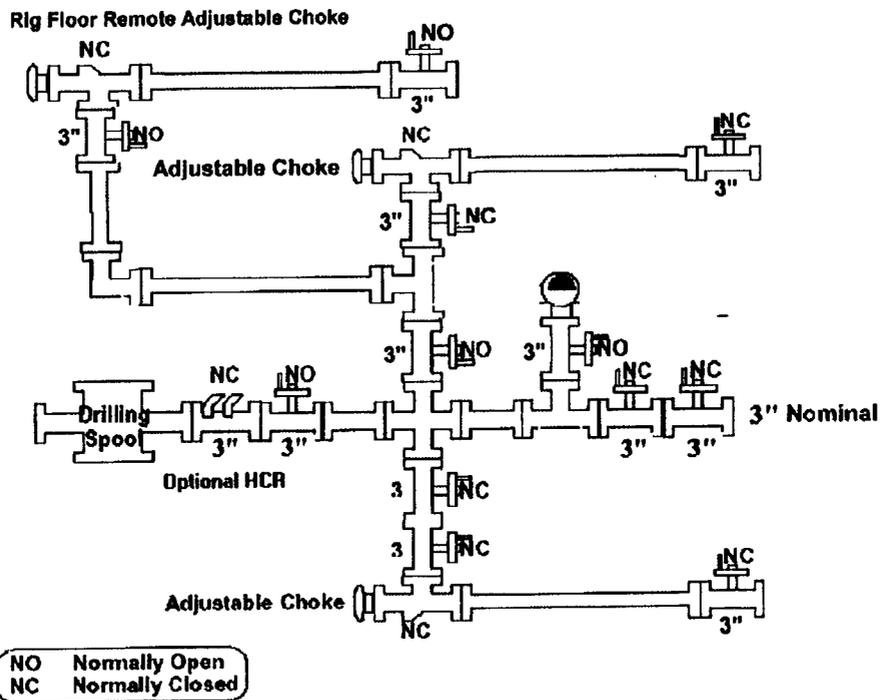


10,000 psi KILL LINE (2" MINIMUM ID)



NC - Normally Closed
NO - Normally Open

10,000 psi CHOKE MANIFOLD



NO Normally Open
NC Normally Closed

**Samson Resources
Powerline 12-1
Surface: 620' FWL & 2331'FSL Sec. 12, T23S, R18E, SLB&M
BHL: 620' FWL & 2331'FSL Sec. 12, T23S, R18E, SLB&M
Grand Co., UT**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS: (based upon est. surface elev. of 4525')

Formation	Depth, TVD
Morrison	250
Moab Tongue	850
Entrada	925
Carmel	1150
Navajo	1225
Kayenta	1750
Wingate	1950
Chinle	2225
Moenkopi	2750
White Rim	3125
TD	3400

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Possible Aquifers: Less than 500'

Oil Shale: None Expected.

Oil: Moab Tongue, Navajo, Kayenta, Wingate

Gas: None expected.

Protection of oil, gas, water, or other mineral bearing formations:
Protection shall be accomplished by cementing surface casing and production casing back to the surface.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 350':

No BOP equipment required. Rotating head will be utilized if a Surface Hole Drilling rig equipped to drill with air/air mist is used to preset surface casing.

For drilling through 8-5/8" surface casing to TD:

Maximum anticipated surface pressure is <2000 psi

Pressure control equipment shall meet or exceed BLM minimum standards for 3000 psi equipment.

A casing head with a 11", 3000 psi flange will be welded onto the 8-5/8" surface casing.

BOP stack will likely consist of either 2 single gate or a double gate and annular preventer. The gate preventers will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13.625" bore, 3000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment, per BLM Oil & Gas Order #2.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
8-5/8"	24.0 #/ft.	J-55	STC	No	*
4-1/2"	11.6 #/ft.	J-55	LTC	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and last collars.

Casing Design Information

8-5/8" casing @ 350':

Collapse value for new pipe:	1370psi	Actual Load:	164 psi	SF:	8.4
Burst value for new pipe:	2950psi	Actual Load:	597 psi	SF:	4.9
Tension value for new pipe:	244,000#	Actual Load:	8400#	SF:	29.1

4-1/2" Production casing @ 3,400':

Collapse value for new pipe:	4960 psi	Actual Load:	843 psi	SF:	5.9
Burst value for new pipe:	5350 psi	Actual Load:	1122 psi	SF:	4.8
Tension value for new pipe:	162,000#	Actual Load:	39440#	SF:	4.1

Cement Information: All volumes are estimates and may be adjusted based upon actual conditions during the course of drilling operations. Total sacks may be adjusted due to slight variations in slurry yield.

Casing	Cement
8-5/8"	Oilfield type cement circulated in place. Class "G" w/ 2% CaCl ₂ single slurry mixed to 15.8 ppg, yield = 1.18 cf/sx. Fill to surface with 290 cf (246 sx) calculated plus 100% excess. Tail plug used.

Cement Information: (cont.)

4-1/2" Single slurry 50/50 Poz w/additives -13.5ppg, yield 1.31cuft/sx for 3400' of fill; 1000 cf (765 sx.) Volume includes 30% excess volume. Sufficient cement volume will be pumped to bring cement to surface.

Drilling Equipment:

Surface Hole (0'- 350')

Drilling of the surface hole will be with a Surface Hole drilling rig equipped to drill with air/air mist, if the rig is available. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

Variance to Onshore Oil and Gas Order No. 2 III -E. *Special Drilling Operations* which addresses additional drilling equipment required for drilling with air/gas is requested for the Surface Hole drilling rig which may be used to preset surface casing. To our knowledge, shallow gas (<350') has never been encountered on any well in this area. Consequently, the majority of the equipment specified in the *Special Drilling Operations* is not necessary to drill surface holes (350') in this area. Auxiliary Equipment to be used is outlined in Section 8. Air/gas will not be used to drill below surface casing.

If the Surface Hole drilling rig is not available to preset the surface casing, a conventional rotary drilling rig will be used to drill the surface hole. A 12 1/4" hole will be drilled utilizing water based mud.

Production Hole (350'- 3,400')

Drilling below surface casing will be with conventional rotary equipment utilizing water based mud. Hole size will be 7-7/8".

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface Hole (0' - 350')

Surface hole is planned be drilled with air/air mist if a Surface Hole drilling rig is utilized to preset surface casing prior to moving in and rigging up a conventional rotary drilling rig.

Mud circulating equipment and materials as specified in Onshore Order #2, III - E will not be kept on location due to the fact that the Surface Hole drilling rig equipped to drill with air/air mist is not equipped to circulate mud.

If a Surface Hole drilling rig is not utilized to preset the surface casing, a conventional rotary rig will be used to drill the surface hole. Water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers will be used. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location

Production Hole (350' - 3,400')

Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location.

PVT/Flow Show will be on location and operable from base of surface casing to TD.

Gas detector will be used from surface casing depth (depth mud loggers on) to TD

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging:
Electric Logging:

Surface casing to TD
A complete suite of open hole
logs will be run.

Coring:

60' planned coring from 860' - 920' or 925' - 985'

Testing:

None planned but are possible.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal to subnormal pressure gradient to TD

No H₂S is expected.

Maximum expected BHP @ TD ~1350psi

Maximum expected BHT @ 3400' TVD: ~125° F

8. OTHER:

Auxiliary Equipment

Conventional Rotary Drilling Rig

Mud logging unit
Geolograph
PVT-Flowmeter
Desilter
Desander
Full Opening Safety Valve
Upper Kelly Valve
Lower Kelly Valve

Surface Hole Rig Equipped to Drill with Air/Air Mist

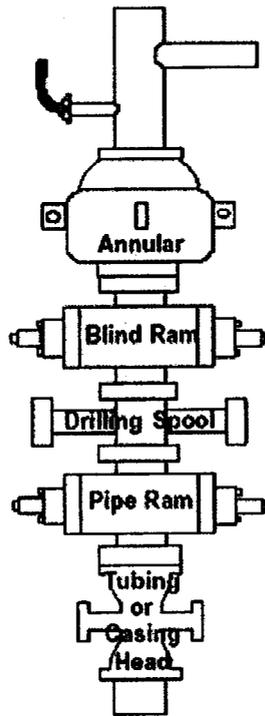
Rotating Head
100' Blooie Discharge Line

Completion

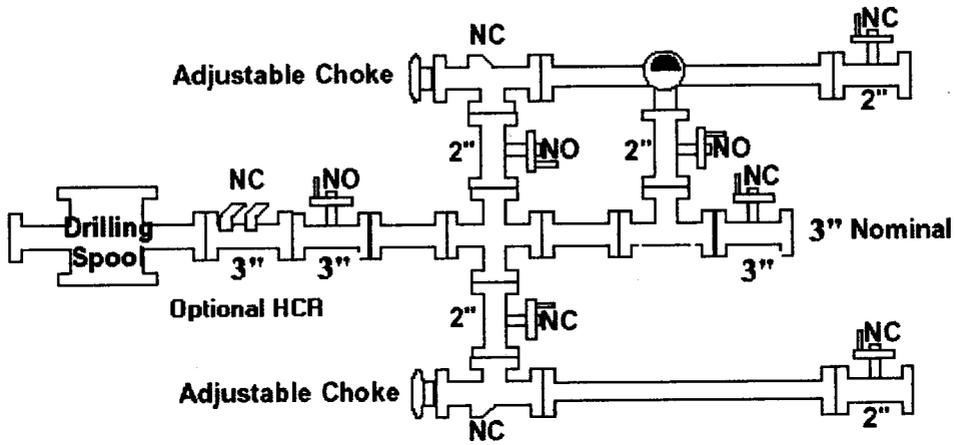
Well will be completed by conventionally perforating prospective zones identified by logs. Installation of tubing, rods, and surface production facilities may be required to determine commercial production. Stimulation may be required, but will be determined by testing.

BOP Schematic

Class III BOP Stack



Class III Choke Manifold



NO Normally Open
NC Normally Closed

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: SAMSON RESOURCES COMPANY

Well Name: POWER LINE 12-1

Api No: 43-019-31502 Lease Type: FEDERAL

Section 12 Township 23S Range 18E County GRAND

Drilling Contractor PROPETROCO RIG # RATHOLE

SPUDDED:

Date 08/25/07

Time _____

How DRY

Drilling will Commence: _____

Reported by TOM MOORE (FRONTIER RIG #4)

Telephone # (713) 948-6900 "CELL" (970) 209-9975

Date 09/10/07 Signed CHD

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-78300
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: N/A
		7. UNIT or CA AGREEMENT NAME: Power Line Unit (Proposed)
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Power Line #12-1	
2. NAME OF OPERATOR: Samson Resources Company		9. API NUMBER: 4301931502
3. ADDRESS OF OPERATOR: 370 17th Street, Suite 3000 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (720) 239-4365	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2331' FSL and 620' FWL		COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 12 23S 18E		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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input 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 checked="" 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 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.

Samson Resources Company requests authorization to amend the weight of the 4-1/2" surface casing to 10.5 #/ft. instead of the originally permitted 11.6 #/ft.

Please see the revision on page 3 of the attached drilling plan. All other information regarding this well shall remain the same.

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

NAME (PLEASE PRINT) <u>Georganne Mitchell</u>	TITLE <u>Surface Use Landman</u>
SIGNATURE <u><i>Georganne Mitchell</i></u>	DATE <u>8/29/2007</u>

(This space for State use only)

AUG 30 2007

**Samson Resources
Powerline 12-1
Surface: 620' FWL & 2331'FSL Sec. 12, T23S, R18E, SLB&M
BHL: 2160' 620' FWL & 2331'FSL Sec. 12, T23S, R18E, SLB&M
Grand Co., UT**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS: (based upon est. surface elev. of 4525')

Formation	Depth, TVD
Morrison	250
Moab Tongue	850
Entrada	925
Carmel	1150
Navajo	1225
Kayenta	1750
Wingate	1950
Chinle	2225
Moenkopi	2750
White Rim	3125
TD	3400

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Possible Aquifers: Less than 500'

Oil Shale: None Expected.

Oil: Moab Tongue, Navajo, Kayenta, Wingate

Gas: None expected.

Protection of oil, gas, water, or other mineral bearing formations:
Protection shall be accomplished by cementing surface casing and production casing back to the surface.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 350':

No BOP equipment required. Rotating head will be utilized if a Surface Hole Drilling rig equipped to drill with air/air mist is used to preset surface casing.

For drilling through 8-5/8" surface casing to TD:

Maximum anticipated surface pressure is <2000 psi

Pressure control equipment shall meet or exceed BLM minimum standards for 3000 psi equipment.

A casing head with a 11", 3000 psi flange will be welded onto the 8-5/8" surface casing.

BOP stack will likely consist of either 2 single gate or a double gate and annular preventer. The gate preventers will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 11" or 13.625" bore, 3000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure or greater. Please refer to attached schematic.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment, per BLM Oil & Gas Order #2.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
8-5/8"	24.0 #/ft.	J-55	STC	No	*
4-1/2"	10.5 #/ft.	J-55	STC	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and last collars.

Casing Design Information

8-5/8" casing @ 350':

Collapse value for new pipe:	1370psi	Actual Load:	164 psi	SF:	8.4
Burst value for new pipe:	2950psi	Actual Load:	597 psi	SF:	4.9
Tension value for new pipe:	244,000#	Actual Load:	8400#	SF:	29.1

4-1/2" Production casing @ 3,400':

Collapse value for new pipe:	4010 psi	Actual Load:	843 psi	SF:	4.8
Burst value for new pipe:	4790 psi	Actual Load:	1122 psi	SF:	4.3
Tension value for new pipe:	132,000#	Actual Load:	39,440#	SF:	3.3

Cement Information: All volumes are estimates and may be adjusted based upon actual conditions during the course of drilling operations. Total sacks may be adjusted due to slight variations in slurry yield.

Casing Cement

8-5/8" Oilfield type cement circulated in place. Class "G" w/ 2% CaCl₂ single slurry mixed to 15.8 ppg, yield = 1.18 cf/sx. Fill to surface with 290 cf (246 sx) calculated plus 100% excess. Tail plug used.

Cement Information: (cont.)

4-1/2" Single slurry 50/50 Poz w/additives -13.5ppg, yield 1.31cuft/sx for 3400' of fill; 1000 cf (765 sx.) Volume includes 30% excess volume. Sufficient cement volume will be pumped to bring cement to surface.

Drilling Equipment:

Surface Hole (0'- 350')

Drilling of the surface hole will be with a Surface Hole drilling rig equipped to drill with air/air mist, if the rig is available. Hole size will be in the 12 ¼" - 11" range at the discretion of the drilling contractor.

Variance to Onshore Oil and Gas Order No. 2 III -E. *Special Drilling Operations* which addresses additional drilling equipment required for drilling with air/gas is requested for the Surface Hole drilling rig which may be used to preset surface casing. To our knowledge, shallow gas (<350') has never been encountered on any well in this area. Consequently, the majority of the equipment specified in the *Special Drilling Operations* is not necessary to drill surface holes (350') in this area. Auxiliary Equipment to be used is outlined in Section 8. Air/gas will not be used to drill below surface casing.

If the Surface Hole drilling rig is not available to preset the surface casing, a conventional rotary drilling rig will be used to drill the surface hole. A 12 ¼" hole will be drilled utilizing water based mud.

Production Hole (350'- 3,400')

Drilling below surface casing will be with conventional rotary equipment utilizing water based mud. Hole size will be 7-7/8".

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface Hole (0' - 350')

Surface hole is planned be drilled with air/air mist if a Surface Hole drilling rig is utilized to preset surface casing prior to moving in and rigging up a conventional rotary drilling rig.

Mud circulating equipment and materials as specified in Onshore Order #2, III - E will not be kept on location due to the fact that the Surface Hole drilling rig equipped to drill with air/air mist is not equipped to circulate mud.

If a Surface Hole drilling rig is not utilized to preset the surface casing, a conventional rotary rig will be used to drill the surface hole. Water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers will be used. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location

Production Hole (350' - 3,400')

Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

A minimum quantity of weighting material will be kept on location.

PVT/Flow Show will be on location and operable from base of surface casing to TD.

Gas detector will be used from surface casing depth (depth mud loggers on) to TD

6. **ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:**

Logging:

Mud logging:
Electric Logging:

Surface casing to TD
A complete suite of open hole
logs will be run.

Coring:

60' planned coring from 860' - 920' or 925' - 985'

Testing:

None planned but are possible.

7. **EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:**

Normal to subnormal pressure gradient to TD

No H₂S is expected.

Maximum expected BHP @ TD ~1350psi

Maximum expected BHT @ 3400' TVD: ~125° F

8. **OTHER:**

Auxiliary Equipment

Conventional Rotary Drilling Rig

Mud logging unit

Geolograph

PVT-Flowmeter

Desilter

Desander

Full Opening Safety Valve

Upper Kelly Valve

Lower Kelly Valve

Surface Hole Rig Equipped to Drill with Air/Air Mist

Rotating Head

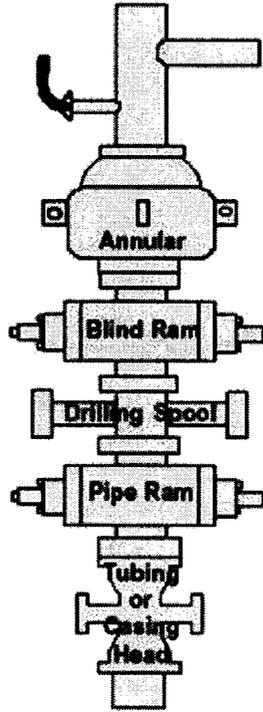
100' Bloopie Discharge Line

Completion

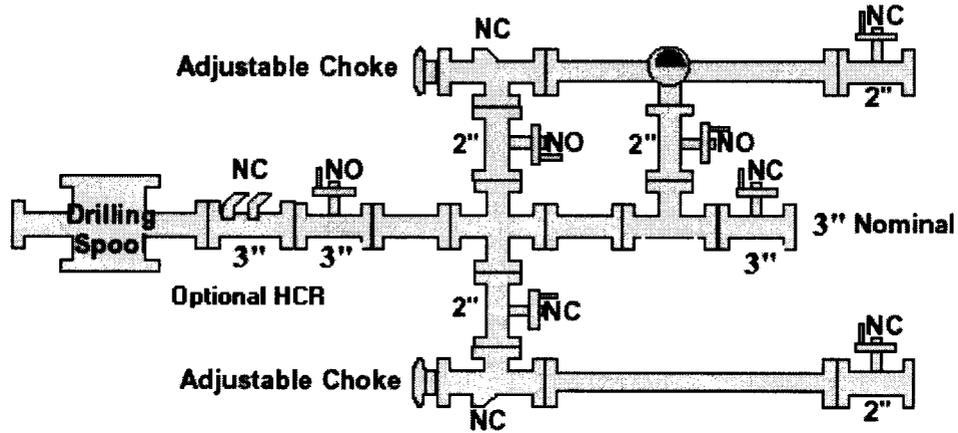
Well will be completed by conventionally perforating prospective zones identified by logs. Installation of tubing, rods, and surface production facilities may be required to determine commercial production. Stimulation may be required, but will be determined by testing.

BOP Schematic

Class III BOP Stack



Class III Choke Manifold



NO Normally Open
 NC Normally Closed

CONFIDENTIAL

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Powerline #12-1	
2. NAME OF OPERATOR: Samson Resources	9. API NUMBER: 4301931502	
3. ADDRESS OF OPERATOR: Two West Second Street Tulsa OK 74103	PHONE NUMBER: (918) 591-1791	10. FIELD AND POOL OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2331'FSL & 620'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 12 23S 18E		COUNTY: Grand 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: 10/29/2007	<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
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	<input type="checkbox"/> CHANGE TUBING	<input checked="" 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.

- 1.) Set CICR @ 950'KB.
- 2.) Pressure test CICR to 1000 psi.
- 3.) Mix & pump cmt squeeze as follows: a.) 20 bbls fresh water spacer. b.) 50 sx class "G" cement w/necessary additives. 15.8 ppg, 1.18 cuft/sk, 5.11 gal/sk, 10.5 bbls slurry c.) Displace w/3.9 bbls fresh water leaving 1.0 bbls slurry in tbg.
- 4.) Pull out of CICR & displace 1.0 bbls slurry onto CICR leaving TOC inside 4-1/2" casing at approx 850' KB.
- 5.) Reverse circulate 1.5 tbg volumes water. POOH 2-3/8" tbg.
- 6.) RU wireline & perforate 410'-414' 2spf.
- 7.) RU cementers & establish circulation rate down 4-1/2" casing & up 4-1/2" x 8-5/8" annulus.
- 8.) Mix & pump cement as follows: a.) 10 bbls fresh water spacer b.) 120 sx Class "G" cement w/necessary additives (10% excess). 15.8 ppg, 1.18 cuft/sk, 5.11 gal/skm 10.5 bbls slurry. c.) Circulate until est 5 bbl cement to surface. SHD leave at least 10sx cement in casing. (1.0 bbl).
- 9.) RIH w/2 jts of tubing and pump 10 sx cement.
- 10.) Cut off casing below GL. Install dry hole marker 4"x6", 1-2' placed in ground and marked with a permanent monument showing the well number, location & name of the lease.
- 11.) Reclaim location

NAME (PLEASE PRINT) Kaye Alley TITLE Senior Engineering Technician
 SIGNATURE *Kaye Alley* DATE 10/29/2007

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

10/30/07
RM

RECEIVED

OCT 29 2007

Date: 10/29/07
 BY: *[Signature]*
 * Well Completion Report (Form 8) and drilling reports should be submitted within 30 days
 DIV. OF OIL, GAS & MINING

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 type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Samson Resources		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Two West Second Street CITY Tulsa STATE OK ZIP 74103		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (918) 591-1791		8. WELL NAME and NUMBER: Powerline #12-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2331'FSL & 620'FWL COUNTY: Grand		9. API NUMBER: 4301931502
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 12 23S 18E STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Wildcat

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: 10/31/2007	<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 checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
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	<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.

1.) Set Cement Retainer @ 950'.
 2.) Pumped 34 bbls Class "G" cement into perms under retainer (978'-999'). Left 65' cement on top of retainer.
 3.) Perf 409'-413' 2spf. Pumped 116 sx Class "G" cement down 4-1/2" casing & up 8-5/8" open hole - returned 2 sx to surface.
 Job was witnessed & approved by Jack Johnson from BLM Moab Office.

NAME (PLEASE PRINT) <u>Kaye Alley</u>	TITLE <u>Senior Engineering Technician</u>
SIGNATURE _____	DATE <u>11/1/2007</u>

(This space for State use only)

WELL NAME: Powerline #12-1 **FIELD:** Wildcat **LSE#:** 039675
STATE: Utah **COUNTY:** Grand **LOCATION:** NWSW SEC12-T23S-R18E
API NO: 43-019-31502 **SPUD DATE:** 9/10/2007 **FORMATION:** Sand
TD: 3500' **PBTD:** 1763' **ELEVATION:**

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	8-5/8	J-55	STC	24.00#	Surf	380'	9	12-1/4		200	15.8 ppg	Surf
Prod	4-1/2	J-55		10.50#	Surf	3491'	83	7-7/8		870	13.5 ppg	1290'
Tbg												

HISTORY:

9/21/07: Ran CBL-VDL-GR & CCL from PBTD @ 3448' to surface. Found TOC @ 1812'.
9/28/07: Perf 1986'-1994' & 1960'-1965' 4spf.
10/01/07: Set packer @ 1880'. Circulate 2% KCL to surface. Pump 1500 gals 15% HCL w/50 Bio Ball Sealers, 10 bbl 2% KCL flush. Good ball action.
10/04/07: Release pkr @ 1880'. Log from 3428'(PBTD) to surface. Set CICR @ 1928'. Mix 50 sx cement & pump into Wingate perms. Leave 90' of cement on top of CICR.
10/08/07: Perf 1774'-1776' 4spf. Set CICR @ 1780'.
10/10/07: Sling into CICR/ Pump 20 bbls H2O w/good circulation. Pump 38 bbls cement & 23,912 scf N2.
10/11/07: Ran GR/JB to PBTD @ 1763'. Ran CCL/CBL & GR log from 1763'- surface. Found TOC @ 1290'.
10/12/07: Perf 1691'-93' 3spf, 1663'-1685' 3spf & 1642'-51' 3spf. Set packer @ 1567'. Acidize w/3500 gals 15% MSA acid and 150 Bio balls.
10/13/07: Released pkr @ 1567'.
10/17/07: Set Cement Retainer @ 1606'. Sling into retainer & pump 50 sx cement. Left 1.5 bbls on top of retainer.
10/18/07: Set Packer @ 1347'. Perf 1435'-1447' 3spf.
10/19/07: Pumped 6 BW ahead of 1500 gal 15% MSA acid & 75 ball sealers. Formation would not break down.
10/23/07: Set retainer @ 1405'. Place 48.5 bbls slurry under the retainer & 1.5 bbls on top of retainer.
10/24/07: Perforated from 1154'-1156'. Set Cement Retainer @ 1147'. Pumped 160 sx cement up 7-7/8"x 4-1/2".
10/25/07: Ran CBL from 1080'-surface and found TOC @ 480'.

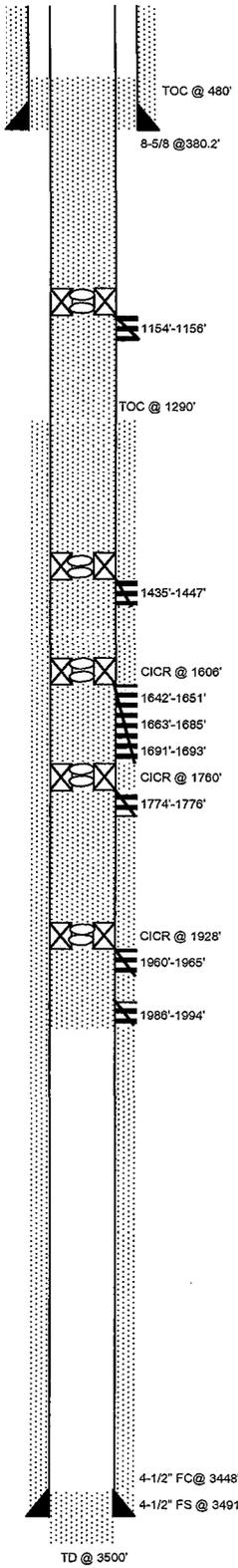
LOGS

CBL-VDL-GR & CCL from 3448' to surface
GR/JB to 1763' CCL/CBL/GR from 1763'-surface

MD - ft	INCL - deg	TVD - ft

PERFORATION RECORD

DATE	TOP	BTM	ZONE	STATUS	SPF
9/28/2007	1986'	1994'	Wingate	Squeezed	4
9/28/2007	1960'	1965'	Wingate	Squeezed	4
10/8/2007	1774'	1776'	Wingate	Squeezed	4
10/12/2007	1691'	1693'	Navajo	Squeezed	3
10/12/2007	1663'	1685'	Navajo	Squeezed	3
10/12/2007	1642'	1651'	Navajo	Squeezed	3
10/18/2007	1435'	1447'	Upper Navajo	Squeezed	3
10/24/2007	1154'	1156'	Moab Tongue	Squeezed	



Packer / Tubing Detail as of	ID (in)	OD (in)	Length Feet	Depth Feet
PUMP DETAIL AS OF:				

PREPARED BY: Kaye Alley
DATE: 10/29/2007
Updated:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE IDENTIFICATION AND SERIAL NUMBER: UTU 78800
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: N/A
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2. NAME OF OPERATOR: Samson Resources		8. WELL NAME and NUMBER: Powerline 12-1
3. ADDRESS OF OPERATOR: 370 17th Street, Suite 3000 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4301931502
PHONE NUMBER: (720) 904-1391		10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: 2331' FSL & 620' FWL		COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 12 23S 18E		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/11/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR 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>Drilling Reports</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.

Drilling Reports attached.

NAME (PLEASE PRINT) Tiffany DiGrappa	TITLE Engineering Technician
SIGNATURE	DATE 10/31/2007

(This space for State use only)

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	SAMSON		DAILY DRILLING REPORT		5-Sep-2007		CASING:		FIT(ppgEMW)		
	FAX REPORTS TO: (918) 591-1720		CALL REPORTS TO: 1-800-293-1791		Surface		8-5/8 @		360		
WELL:		Powerline 12-1		CO./STATE		Grand County Utah					
TD/TVD:		0/0		ft. PROGRESS:		ft.		(ft/hr)		AFE DHC: 619.001	
No. Days:		1		RIG:		Frontier #4		FORMATION:		AFE MORT: 753.501	
RKB:		12		OBJ.:		Drilling		PROP. T.D.:		3400 ft. AFE DAYS: 14	
PRESENT OPERATIONS @ REPORT TIME: Moving rig											
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)						COSTS (\$):		TODAY	CUMUL.
12	P	Fin. rigging down. Moving rig. All of rig moved except for derrick unit. Surface pipe pre-set @ 360 RKB						SURFACE DAMAGES			
								ROAD, LOC. & SURV.			
								CONDUCT. / RATHOLE			
								R.U. / R.D. / MOVE		15,500	15,500
								RIG (DAYWORK)			
								RIG (FTG. / TURNKEY)			
								WATER & FUEL			
								MUD & SERVICES			
								BITS / RMRS. / B.H.A.			
								DIRECTIONAL EQUIPT.			
								RENTAL EQUIPMENT			
								LOG / MUDLOG / DST			
								INSPECTION & REPAIR			
								CASING CREWS			
								CEMENT & EQUIPMENT			
								TRANSPORTATION		735	735
								SUPERVISION		1,000	1,000
								LABOR & SUPPLIES			
								INSURANCE / LEGAL			
								OVERHEAD			
								CASING & ACCESS.			
								WELLHEAD EQUIPT.			
								CLOSE LOOP SYSTEM			
								HAUL-OFF			
								STUCK & FISHING			
								EQUIP. LOST IN HOLE			
								PLUG & ABANDON			
								MISCELLANEOUS			
		TOTAL HRS. TODAY		12		ROTATING HRS. TODAY		TOTAL COST (\$):		17,235	17,235
BHA:				LEN:		ft.		Since inspection		hrs.	
				DC OD:				DP OD:		CONN:	
PU/ SO/ ROT:		/ /		MAX. ALLOW. PULL:				LB.			
SURVEYS:											
BIT RECORD			HYDRAULICS:				MUD RECORD @		LOSS SUMMARY:		
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:		BUCKET	HRS	\$(EST)	
SIZE, in			STROKE, in			DENSITY		EQPT FAILURE:			
TYPE			LINER, in			VISCOSITY		SURFACE			
SERIAL No			SPM			PV / YP		DOWNHOLE			
JETS, 32nd			RATE, G.P.M.			API WL./HTHP		EXECUTION			
T.F.A, sq in			PRESSURE, psi.			CAKE		CHG IN SCOPE			
W.O.B., lb			AV/DP, ft./min.			pH		PORE PRESS.			
RP.M.			AV/DC, ft./min.			GELS: 1/10		STUCK PIPE			
TRQ, FT-LB			JET VEL., ft./sec.			CHLOR.		GEOLOGIC			
DEPTH OUT			BIT HHP.			CALCIUM		OTHER			
DEPTH IN			PUMP HHP.			EXC. LM.					
FOOTAGE			E.C.D., PPG			SOLIDS					
HOURS			H.S.I			SAND					
R.O.P., ft/hr.			PUMP #1:			OIL					
I.A.D.C DULL GRADING: (BIT#)			PUMP #2:			O/W RATIO					
I:	O:	D:	Loc.:			L.C.M.					
BEARINGS: B:			SP.R. - #1:	SP @		M.B.T.		Daily Total			
GAUGE: G:			SP.R. - #2:	SP @		EL. STAB.		Cumulative			
REMARKS: O:	R:		REMARKS:								
SOLIDS CONTROL EQUIPMENT RUN:			SHAPE SHAKER:		hrs.		SCREEN SIZE:		mesh		
DESANDER:			hrs.		DESILTER:		hrs.		OTHER: hrs.		
CENTRIFUGE:			hrs.		REMARKS:						
MUD MIXED:											
SAFETY MEETING TOPIC:										ACCIDENTS: None	
LAST SAFETY MTG:				LAST BOP DRILL:				LAST BOP TEST:			
CREW SHORT:				PHONE:				WEATHER: Light rain 54 F			
TOOL PUSHER:				SUPERVISOR: Tom Mohr				DATE: 5-Sep-2007			

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	SAMSON			CASING:			FIT(ppgEMW)				
	DAILY DRILLING REPORT			6-Sep-2007			Surface				
	FAX REPORTS TO: (918) 591-1720						8-5/8 @ 360				
	CALL REPORTS TO: 1-800-293-1791						@				
WELL:	Powerline 12-1			CO./STATE	Grand County Utah						
TD/TVD:	0/0	ft.	PROGRESS:	ft.	(ft/hr)	AFE DHC:			619,001		
No. Days:	2	RIG:	Frontier #4		FORMATION:	AFE MORT:			753,501		
RKB:	12	OBJ.:	Drilling		PROP. T.D.:	3400	ft.	AFE DAYS:	14		
PRESENT OPERATIONS @ REPORT TIME: Moving in Rig. Rigging up											
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY	CUMUL.		
12.5	P	Moving in rig units & camp. All units except derrick unit on location. Haul water to reserve pit				SURFACE DAMAGES					
						ROAD, LOC. & SURV.					
						CONDUCT. / RATHOLE					
						R.U. / R.D. / MOVE		15,500	31,000		
						RIG (DAYWORK)					
						RIG (FTG. / TURNKEY)					
						WATER & FUEL					
						MUD & SERVICES					
						BITS / RMRS. / B.H.A.					
						DIRECTIONAL EQUIPT.					
						RENTAL EQUIPMENT		840	840		
						LOG / MUDLOG / DST					
						INSPECTION & REPAIR					
						CASING CREWS					
						CEMENT & EQUIPMENT					
						TRANSPORTATION			735		
						SUPERVISION		1,000	2,000		
						LABOR & SUPPLIES					
						INSURANCE / LEGAL					
						OVERHEAD					
						CASING & ACCESS.					
						WELLHEAD EQUIPT.					
						CLOSE LOOP SYSTEM					
						HAUL-OFF					
						STUCK & FISHING					
						EQUIP. LOST IN HOLE					
						PLUG & ABANDON					
						MISCELLANEOUS					
TOTAL HRS. TODAY			12.5	ROTATING HRS. TODAY		TOTAL COST (\$):		17,340	34,575		
BHA:					LEN:	ft.	Since inspection	hrs.			
PU/ SO/ ROT:	/	/	/	MAX. ALLOW. PULL:	LB.	CONN:					
SURVEYS:											
BIT RECORD			HYDRAULICS:			MUD RECORD @			LOSS SUMMARY:		
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:		BUCKET	HRS	\$(EST)	
SIZE, in			STROKE, in.			DENSITY		EQPT FAILURE:			
TYPE			LINER, in.			VISCOSITY		SURFACE			
SERIAL No			SPM			PV / YP		DOWNHOLE			
JETS, 32nd			RATE, G.P.M.			API W/L./HTHP		EXECUTION			
T.F.A, sq in			PRESSURE, psi.			CAKE		CHG IN SCOPE			
W.O.B., lb			AV/DP, ft./min.			pH		PORE PRESS.			
RP.M.			AV/DC, ft./min.			GELS: 1/10		STUCK PIPE			
TRQ, FT-LB			JET VEL., ft./sec.			CHLOR.		GEOLOGIC			
DEPTH OUT			BIT HHP.			CALCIUM		OTHER			
DEPTH IN			PUMP HHP.			EXC. LM.					
FOOTAGE			E.C.D., PPG			SOLIDS					
HOURS			H.S.I			SAND					
R.O.P., ft/hr.			PUMP #1:			OIL					
I.A.D.C. DULL GRADING: (BIT#)			PUMP #2:			O/W RATIO					
I:	O:	D:	Loc.:			L.C.M.					
BEARINGS: B:			SP.R. - #1:	SP @		M.B.T.		Daily Total			
GAUGE: G:			SP.R. - #2:	SP @		EL. STAB.		Cumulative			
REMARKS: O:	R:		REMARKS:								
SOLIDS CONTROL EQUIPMENT RUN:			SHAPE SHAKER:	hrs.	SCREEN SIZE:		mesh				
DESANDER:			hrs.	DESILTER:	hrs.	OTHER:		hrs.			
CENTRIFUGE:			hrs.	REMARKS:							
MUD MIXED:											
SAFETY MEETING TOPIC:											
LAST SAFETY MTG:						ACCIDENTS: None					
LAST BOP DRILL:				WEATHER: Clear 57 F			DATE: 6-Sep-2007				
CREW SHORT:			PHONE:			DATE:					
TOOL PUSHER: Jerry Mecham			SUPERVISOR: Tom Mohr								

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	SAMSON			CASING:			FIT(ppgEMW)			
	DAILY DRILLING REPORT			7-Sep-2007			Surface			
	FAX REPORTS TO: (918) 591-1720						8-5/8 @ 360			
	CALL REPORTS TO: 1-800-293-1791						@			
WELL: Powerline 12-1			CO./STATE Grand County Utah							
TD/TVD:	0/0	ft.	PROGRESS:		ft.	(ft/hr)	AFE DHC:	619.001		
No. Days:	3	RIG:	Frontier #4	FORMATION:		AFE MORT:	753.501			
RKB:	12	OBJ.	Drilling	PROP. T.D.:	3400	ft.	AFE DAYS:	14		
PRESENT OPERATIONS @ REPORT TIME: Waiting on derrick unit										
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY	CUMUL.	
12.5	P	Rigging up. Rigged up except for derrick unit. Derrick unit delayed due to permit/route problems. Installed well head. Hauling water to pits. Installed camp & communications				SURFACE DAMAGES				
						ROAD, LOC. & SURV.		532	532	
						CONDUCT. / RATHOLE				
						R.U. / R.D. / MOVE		15,500	46,500	
						RIG (DAYWORK)				
						RIG (FTG. / TURNKEY)				
						WATER & FUEL		9,799	9,799	
						MUD & SERVICES				
						BITS / RMRS. / B.H.A.				
						DIRECTIONAL EQUIPT.				
						RENTAL EQUIPMENT		840	1,680	
						LOG / MUDLOG / DST				
						INSPECTION & REPAIR				
						CASING CREWS				
						CEMENT & EQUIPMENT				
						TRANSPORTATION			735	
						SUPERVISION		1,000	3,000	
						LABOR & SUPPLIES		2,808	2,808	
						INSURANCE / LEGAL				
						OVERHEAD				
						CASING & ACCESS.				
						WELLHEAD EQUIPT.		2,960	2,960	
						CLOSE LOOP SYSTEM				
						HAUL-OFF				
						STUCK & FISHING				
						EQUIP. LOST IN HOLE				
						PLUG & ABANDON				
						MISCELLANEOUS				
TOTAL HRS. TODAY			12.5	ROTATING HRS. TODAY			TOTAL COST (\$):		33,439	68,014
BHA:						LEN:	ft.	Since inspection	hrs.	
						DC OD:		DP OD:	CONN:	
PU/ SO/ ROT:						MAX. ALLOW. PULL:		LB.		
SURVEYS:										
BIT RECORD			HYDRAULICS:			MUD RECORD @		LOSS SUMMARY:		
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:		BUCKET	HRS	\$(EST)
SIZE, in			STROKE, in.			DENSITY		EQPT FAILURE:		
TYPE			LINER, in.			VISCOSITY		SURFACE		
SERIAL No			SPM			PV / YP		DOWNHOLE		
JETS, 32nd			RATE, GP.M.			API W/L./HTHP		EXECUTION		
TF.A, sq in			PRESSURE, psi.			CAKE		CHG IN SCOPE		
W.O.B., lb			AV/DP, ft./min.			pH		PORE PRESS.		
RP.M.			AV/DC, ft./min.			GELS: 1/10		STUCK PIPE		
TRQ, FT-LB			JET VEL., ft./sec.			CHLOR.		GEOLOGIC		
DEPTH OUT			BIT HHP.			CALCIUM		OTHER		
DEPTH IN			PUMP HHP			EXC. LM.				
FOOTAGE			E.C.D., PPG			SOLIDS				
HOURS			H.S.I			SAND				
R.O.P., ft/hr.			PUMP #1:			OIL				
I.A.D.C. DULL GRADING: (BIT#)			PUMP #2:			OW RATIO				
I: O: D: Loc.:			SP.R. - #1:	SP @		L.C.M.				
BEARINGS: B:			SP.R. - #2:	SP @		M.B.T.		Daily Total		
GAUGE: G:			REMARKS:			EL. STAB.		Cumulative		
REMARKS: O: R:			SHALE SHAKER:	hrs.		SCREEN SIZE:		mesh		
SOLIDS CONTROL EQUIPMENT RUN:			DESANDER:	hrs.	DESILTER:	hrs.	OTHER:	hrs.		
			CENTRIFUGE:	hrs.	REMARKS:					
MUD MIXED:										
SAFETY MEETING TOPIC:									ACCIDENTS: None	
LAST SAFETY MTG:				LAST BOP DRILL:			LAST BOP TEST:			
CREW SHORT:				PHONE:			WEATHER: Clear 56 F			
TOOL PUSHER: Jerry Mecham				SUPERVISOR: Tom Mohr			DATE: 7-Sep-2007			

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	SAMSON		DAILY DRILLING REPORT		8-Sep-2007		CASING:		FIT(ppqEMW)		
	360/360		ft. PROGRESS:		360		ft.		(ft/hr)		
	No. Days: 4		RIG: Frontier #4		FORMATION:		AFE DHC:		619.001		
	RKB: 12		OBJ: Drilling		PROP. T.D.: 3400		ft.		AFE MORT: 753.501		
WELL:		Powerline 12-1		CO./STATE		Grand County		Utah			
PRESENT OPERATIONS @ REPORT TIME:		Waiting on derrick/drawworks unit									
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)					COSTS (\$):		TODAY	CUMUL.	
4	P	Fin. rigging up as far as can go W/O derrick/drawwork unit					SURFACE DAMAGES				
20	U	Waiting on derrick/drawworks unit. Rcd core equipment & drilling motors					ROAD, LOC. & SURV.			532	
							CONDUCT. / RATHOLE				
							R.U. / R.D. / MOVE		15,500	62,000	
							RIG (DAYWORK)				
							RIG (FTG. / TURNKEY)				
							WATER & FUEL		595	10,394	
							MUD & SERVICES				
							BITS / RMRS. / B.H.A.				
							DIRECTIONAL EQUIPT.				
							RENTAL EQUIPMENT		840	2,520	
							LOG / MUDLOG / DST				
							INSPECTION & REPAIR				
							CASING CREWS				
							CEMENT & EQUIPMENT				
							TRANSPORTATION		2,626	3,361	
							SUPERVISION		1,000	4,000	
							LABOR & SUPPLIES			2,808	
							INSURANCE / LEGAL				
							OVERHEAD				
							CASING & ACCESS.				
							WELLHEAD EQUIPT.			2,960	
							CLOSE LOOP SYSTEM				
							HAUL-OFF				
							STUCK & FISHING				
							EQUIP. LOST IN HOLE				
							PLUG & ABANDON				
							MISCELLANEOUS				
		TOTAL HRS. TODAY		24		ROTATING HRS. TODAY		TOTAL COST (\$):		20,561 88,575	
BHA:		LEN:		ft.		Since inspection		hrs.			
PU/ SO/ ROT:		DC OD:		DP OD:		CONN:					
SURVEYS:		MAX. ALLOW. PULL:		LB.							
BIT RECORD			HYDRAULICS:			MUD RECORD @			LOSS SUMMARY:		
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:		BUCKET	HRS	\$(EST)	
SIZE, in			STROKE, in	8.00	8.00	DENSITY		EQPT FAILURE:			
TYPE			LINER, in.	6.50	6.499992	VISCOSITY		SURFACE	20.0	17,134	
SERIAL No			SPM			PV / YP		DOWNHOLE			
JETS, 32nd			RATE, GP.M.			API W/L /HTHP		EXECUTION			
T.F.A, sq in			PRESSURE, psi.			CAKE		CHG IN SCOPE			
W.O.B., lb			AV/DP, ft./min.			pH		PORE PRESS.			
RP.M.			AV/DC, ft./min.			GELS: 1/10		STUCK PIPE			
TRQ, FT-LB			JET VEL., ft./sec.			CHLOR.		GEOLOGIC			
DEPTH OUT			BIT HHP.			CALCIUM		OTHER			
DEPTH IN			PUMP HHP			EXC. LM.					
FOOTAGE			E.C.D., PPG			SOLIDS					
HOURS			H.S.I			SAND					
R.O.P., ft/hr.			PUMP #1:			OIL					
I.A.D.C. DULL GRADING: (BIT#)			PUMP #2:			O/W RATIO					
BEARINGS: B:			SP.R. - #1:	SP @		L.C.M.					
GAUGE: G:			SP.R. - #2:	SP @		M.B.T.		Daily Total	20.0	17,134	
REMARKS: O:			REMARKS:			EL. STAB.		Cumulative	20.0	17,134	
SOLIDS CONTROL EQUIPMENT RUN:			SHALE SHAKER:		hrs.		SCREEN SIZE:		mesh		
DESANDER:			DESILTER:		hrs.		OTHER:		hrs.		
CENTRIFUGE:			REMARKS:								
MUD MIXED:											
SAFETY MEETING TOPIC:							ACCIDENTS:		None		
LAST SAFETY MTG:			LAST BOP DRILL:				LAST BOP TEST:				
CREW SHORT:			PHONE:		713-948-6900		WEATHER:		Clear 58 F		
TOOL PUSHER:			SUPERVISOR:		Tom Mohr		DATE:		8-Sep-2007		

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	SAMSON				CASING:				FIT(ppgEMW)			
	DAILY DRILLING REPORT				9-Sep-2007				Surface			
	FAX REPORTS TO: (918) 591-1720											
	CALL REPORTS TO: 1-800-293-1791											
WELL:		Powerline 12-1		CO./STATE		Grand County		Utah				
TD/TVD:		360/360		ft. PROGRESS:		ft.		(ft/hr)		AFE DHC: 619,001		
No. Days:		5		RIG:		Frontier #4		FORMATION:		AFE MORT: 753,501		
RKB:		12		OBJ.		Drilling		PROP. T.D.:		AFE DAYS: 14		
PRESENT OPERATIONS @ REPORT TIME: Testing BOP's												
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)						COSTS (\$):		TODAY	CUMUL.	
5	U	WO derrick/drawworks unit. Unit drove in to within 4 miles of location.						SURFACE DAMAGES				
		Unit broke front drive shaft crossing a sandy dry wash						ROAD, LOC. & SURV.			532	
5.5	U	WO grader to help unit into location. Received reamers & rotating head while WO grader						CONDUCT. / RATHOLE				
2.5	P	Graded bad spot in road. Moved derrick/drawworks unit to location.						R.U. / R.D. / MOVE		11,625	73,625	
1	P	Spotted derrick/drawworks unit. Need to change hydraulic pump to raise mast						RIG (DAYWORK)		3,875	3,875	
3	U	Change hydraulic pump						WATER & FUEL			10,394	
1	P	Raise mast connect guy lines						MUD & SERVICES				
5	P	Nipple up BOP stack. Connect flow line. Nipple up choke manifold						BITS / RMRS. / B.H.A.				
1	P	Testing BOP's						DIRECTIONAL EQUIPT.				
								RENTAL EQUIPMENT		840	3,360	
								LOG / MUDLOG / DST				
								INSPECTION & REPAIR				
								CASING CREWS				
								CEMENT & EQUIPMENT				
								TRANSPORTATION		1,035	4,396	
								SUPERVISION		1,000	5,000	
								LABOR & SUPPLIES			2,808	
								INSURANCE / LEGAL				
								OVERHEAD				
								CASING & ACCESS.				
								WELLHEAD EQUIPT.			2,960	
								CLOSE LOOP SYSTEM				
								HAUL-OFF				
								STUCK & FISHING				
								EQUIP. LOST IN HOLE				
								PLUG & ABANDON				
								MISCELLANEOUS				
		TOTAL HRS. TODAY		24		ROTATING HRS. TODAY				TOTAL COST (\$): 18,375 106,950		
BHA:								LEN:		ft. Since inspection hrs.		
								DC OD:		DP OD: CONN:		
PU/ SO/ ROT:								MAX. ALLOW. PULL:		LB.		
SURVEYS:												
BIT RECORD			HYDRAULICS:			MUD RECORD @			LOSS SUMMARY:			
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:			BUCKET	HRS	\$(EST)	
SIZE, in			STROKE, in	8.00	8.00	DENSITY			EQPT FAILURE:			
TYPE			LINER, in.	6.50	6.499992	VISCOSITY			SURFACE	13.5	10,336	
SERIAL No			SPM			PV / YP			DOWNHOLE			
JETS, 32nd			RATE, G.P.M.			API W/L./HTHP			EXECUTION			
TF.A, sq in			PRESSURE, psi.			CAKE			CHG IN SCOPE			
W.O.B., lb			AV/DP, ft./min.			pH			PORE PRESS.			
RP.M.			AV/DC, ft./min.			GELS: 1/10			STUCK PIPE			
TRQ, FT-LB			JET VEL., ft./sec.			CHLOR.			GEOLOGIC			
DEPTH OUT			BIT HHP.			CALCIUM			OTHER			
DEPTH IN			PUMP HHP.			EXC. LM.						
FOOTAGE			E.C.D., PPG			SOLIDS						
HOURS			H.S.I			SAND						
R.O.P., ft/hr.			PUMP #1:			OIL						
I.A.D.C. DULL GRADING (BIT#)			PUMP #2:			O/W RATIO						
I:	O:	D:	Loc.:			L.C.M.						
BEARINGS: B:			SP.R. - #1:	SP @		M.B.T.			Daily Total	13.5	10,336	
GAUGE: G:			SP.R. - #2:	SP @		EL. STAB.			Cumulative	33.5	27,470	
REMARKS: O:	R:		REMARKS:									
SOLIDS CONTROL EQUIPMENT RUN:			SHALE SHAKER:			SCREEN SIZE:			mesh			
DESANDER:			hrs.			DESILTER:			hrs.			
CENTRIFUGE:			hrs.			REMARKS:						
MUD MIXED:												
SAFETY MEETING TOPIC:												
ACCIDENTS: None												
LAST SAFETY MTG:				LAST BOP DRILL:				LAST BOP TEST:				
								9-Sep-2007				
CREW SHORT:				PHONE:				WEATHER:				
				713-948-6900				Clear 65 F				
TOOL PUSHER:				SUPERVISOR:				DATE:				
Jerry Mecham				Tom Mohr				9-Sep-2007				

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	SAMSON				CASING:		FIT(ppgEMW)			
	DAILY DRILLING REPORT		10-Sep-2007		Surface	8-5/8	@	360		
	FAX REPORTS TO: (918) 591-1720						@			
	CALL REPORTS TO: 1-800-293-1791						@			
WELL:		Powerline 12-1		CO./STATE	Grand County	Utah				
TD/TVD:	879/879	ft	PROGRESS:	519	ft.	45.13	(ft/hr)			
No. Days:	6	RIG:	Frontier #4	FORMATION:	Sand		AFE DHC:	619.001		
RKB:	12	OBJ.	Drilling	PROP. T.D.:	3400	ft.	AFE MORT:	753.501		
PRESENT OPERATIONS @ REPORT TIME:				POH to core		AFE DAYS:	14			
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY	CUMUL.	
4.5	P	Test BOP's, choke & kill lines, choke manifold, kelly valve. Test csg				SURFACE DAMAGES				
3.5	P	RIH picking up BHA.				ROAD, LOC. & SURV.			532	
1.5	P	Drill cement & shoe to 362 ft.				CONDUCT. / RATHOLE				
3	U	WO Pason to hook up mud logger work station.				R.U. / R.D. / MOVE		11,625	85,250	
0.5	P	Drill kelly down to 368 ft. Survey @ 331 1/2 deg.				RIG (DAYWORK)		3,875	7,750	
9.5	P	Drill from 368 ft. to 879 ft. Coring pt.				RIG (FTG. / TURNKEY)				
1	P	Circulate. Pump sweep				WATER & FUEL			10,394	
0.5	P	Pump slug. POH				MUD & SERVICES		2,393	2,393	
						BITS / RMRS. / B.H.A.		4,032	4,032	
						DIRECTIONAL EQUIPT.				
						RENTAL EQUIPMENT		1,110	4,470	
						LOG / MUDLOG / DST				
						INSPECTION & REPAIR				
						CASING CREWS				
						CEMENT & EQUIPMENT				
						TRANSPORTATION		1,920	6,316	
						SUPERVISION		1,000	6,000	
						LABOR & SUPPLIES		2,939	5,747	
						INSURANCE / LEGAL				
						OVERHEAD				
						CASING & ACCESS.				
						WELLHEAD EQUIPT.			2,960	
						CLOSE LOOP SYSTEM				
						HAUL-OFF				
						STUCK & FISHING				
						EQUIP. LOST IN HOLE				
						PLUG & ABANDON				
						MISCELLANEOUS				
TOTAL HRS. TODAY				24	ROTATING HRS. TODAY		11.5	TOTAL COST (\$):	28,894	135,844
BHA:	Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP.				LEN:	691.62	ft.	Since inspection		hrs.
					DC OD:	6.25	DP OD:	4.00	CONN:	4 1/2 XH
PU/ SO/ ROT:		/	/		MAX. ALLOW. PULL:		LB.			
SURVEYS:										
BIT RECORD			HYDRAULICS:			MUD RECORD @		380	LOSS SUMMARY:	
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:	Baroid	BUCKET	HRS	\$(EST)
SIZE, in			STROKE, in.	8.00	8.00	DENSITY	8.34	EQPT FAILURE:		
TYPE			LINER, in.	6.50	6.499992	VISCOSITY		SURFACE	3.0	3,611
SERIAL No			SPM	115		PV / YP		DOWNHOLE		
JETS, 32nd			RATE, GP.M.	377		API W/L./HTHP		EXECUTION		
TF.A, sq in			PRESSURE, psi.	1040		CAKE		CHG IN SCOPE		
W.O.B., lb			AV/DP, ft./min.	167		pH		PORE PRESS.		
RP.M.			AV/DC, ft./min.	369		GELS: 1/10		STUCK PIPE		
TRQ, FT-LB			JET VEL., ft./sec.	233.5		CHLOR.		GEOLOGIC		
DEPTH OUT			BIT HHP.			CALCIUM		OTHER		
DEPTH IN			PUMP HHP.	184.8		EXC. LM.				
FOOTAGE			E.C.D., PPG			SOLIDS				
HOURS			H.S.I	1.42		SAND				
R.O.P., ft/hr.			PUMP #1:	PZ-8		OIL				
I.A.D.C. DULL GRADING: (BIT#)			PUMP #2:			OWW RATIO				
I:	O:	D:	Loc.:			L.C.M.				
BEARINGS: B:			SP.R. - #1:	SP @		M.B.T.		Daily Total	3.0	3,611
GAUGE: G:			SP.R. - #2:	SP @				Cumulative	36.5	31,081
REMARKS: O:	R:		REMARKS:			EL. STAB.				
SOLIDS CONTROL EQUIPMENT RUN:				SHAPE SHAKER:	hrs.	SCREEN SIZE:		mesh		
			DESANDER:	hrs.	DESILTER:	hrs.	OTHER:	hrs.		
			CENTRIFUGE:	hrs.	REMARKS:					
MUD MIXED:										
SAFETY MEETING TOPIC:										
LAST SAFETY MTG:				LAST BOP DRILL:			LAST BOP TEST:			
							9-Sep-2007			
CREW SHORT:				PHONE:			WEATHER:			
				713-948-6900			Partly cloudy 61 F			
TOOL PUSHER:				SUPERVISOR:			DATE:			
Jerry Mecham				Tom Mohr			10-Sep-2007			

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	SAMSON				CASING:				FIT(ppgEMW)				
	DAILY DRILLING REPORT				11-Sep-2007				Surface 8-5/8 @ 360				
	FAX REPORTS TO: (918) 591-1720												
	CALL REPORTS TO: 1-800-293-1791												
WELL:		Powerline 12-1		CO./STATE		Grand County Utah							
TD/TVD:		1310/1310 ft.		PROGRESS:		431 ft. 45.37 (ft/hr)		AFE DHC:		619.001			
No. Days:		7		RIG:		Frontier #4		FORMATION:		Sand			
RKB:		12		OBJ:		Drilling		PROP. T.D.:		3400 ft.			
AFE MORT:				AFE DAYS:						14			
PRESENT OPERATIONS @ REPORT TIME: Drilling ahead													
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)						COSTS (\$):		TODAY	CUMUL.		
1.5	P	POH. Lay down motor & stabilizers. Survey @ 806 ft. 1.25 deg.						SURFACE DAMAGES					
4.5	P	Pick up core barrel & RIH.						ROAD, LOC. & SURV.			532		
2.5	P	Circ. bottoms up. Cut core #1 from 879 ft. to 935 ft. Break off core						CONDUCT. / RATHOLE					
2.5	P	POH. Lay down inner barrel. Recovery 100%						R.U. / R.D. / MOVE		116,131	201,381		
3.5	P	Lay down core barrel. RIH. Wash last two jts. to bottom						RIG (DAYWORK)		3,875	11,625		
9.5	P	Drill from 935 ft. to 1310 ft.						RIG (FTG. / TURNKEY)					
								WATER & FUEL			10,394		
								MUD & SERVICES		1,360	3,753		
								BITS / RMRS. / B.H.A.		432	4,464		
								DIRECTIONAL EQUIPT.					
								RENTAL EQUIPMENT		1,110	5,580		
								LOG / MUDLOG / DST		15,567	15,567		
								INSPECTION & REPAIR					
								CASING CREWS					
								CEMENT & EQUIPMENT					
								TRANSPORTATION			6,316		
								SUPERVISION		1,000	7,000		
								LABOR & SUPPLIES			5,747		
								INSURANCE / LEGAL					
								OVERHEAD					
								CASING & ACCESS.					
								WELLHEAD EQUIPT.			2,960		
								CLOSE LOOP SYSTEM					
								HAUL-OFF					
								STUCK & FISHING					
								EQUIP. LOST IN HOLE					
								PLUG & ABANDON					
								MISCELLANEOUS					
TOTAL HRS. TODAY		24		ROTATING HRS. TODAY		9.5		TOTAL COST (\$):		139,475			
BHA:		Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP,						LEN:		691.62 ft.		Since inspection hrs.	
								DC OD:		6.25		DP OD: 4.00	
												CONN: 4 1/2 XH	
P/U / SO / ROT:		/ / / / / / /						MAX. ALLOW. PULL:				LB.	
SURVEYS:													
BIT RECORD			HYDRAULICS:				MUD RECORD @		1250		LOSS SUMMARY:		
BIT NO							COMPANY:		Baroid		BUCKET		
SIZE, in			PUMP No.				DENSITY		8.4		HRS		
TYPE			STROKE, in.				VISCOSITY		29		\$(EST)		
SERIAL No			LINER, in.				PV / YP		2 2		EOPT FAILURE:		
JETS, 32nd			SPM				API W/L./HTHP		34		SURFACE		
T.F.A, sq in			RATE, GP.M.				CHLOR.		700		DOWNHOLE		
W.O.B., lb			PRESSURE, psi.				CALCIUM				EXECUTION		
R.P.M.			AV/DP, ft./min.				EXC. LM.				CHG IN SCOPE		
TRQ, FT-LB			AV/DC, ft./min.				SOLIDS		0.5		PORE PRESS.		
DEPTH OUT			JET VEL., ft./sec.				SAND				STUCK PIPE		
DEPTH IN			BIT HHP.				OIL				GEOLOGIC		
FOOTAGE			PUMP HHP.				O/W RATIO				OTHER		
HOURS			E.C.D., PPG										
R.O.P., ft/hr.			H.S.I										
I.A.D.C. DULL GRADING: (BIT#)			PUMP #1:										
I: O: D: Loc.:			PUMP #2:										
BEARINGS: B:			SP.R. - #1:				L.C.M.						
GAUGE: G:			SP.R. - #2:				M.B.T.				Daily Total		
REMARKS: O: R:			REMARKS				EL. STAB.				Cumulative		
											36.5 31,081		
SOLIDS CONTROL EQUIPMENT RUN:						SHALE SHAKER:		hrs.		SCREEN SIZE:			
DESANDER:						DESILTER:		hrs.		mesh			
CENTRIFUGE:						REMARKS:				OTHER: hrs.			
MUD MIXED:													
SAFETY MEETING TOPIC:													
LAST SAFETY MTG:													
LAST BOP DRILL:				LAST BOP TEST:				None					
9-Sep-2007				9-Sep-2007									
CREW SHORT:				PHONE:				WEATHER:					
Jerry Mecham				713-948-6900				Clear 56 F					
TOOL PUSHER:				SUPERVISOR:				DATE:					
Tom Mohr				11-Sep-2007									

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		SAMSON			CASING:			FIT(ppgEMW)		
DAILY DRILLING REPORT				12-Sep-2007		Surface		8-5/8 @ 360		
FAX REPORTS TO: (918) 591-1720										
CALL REPORTS TO: 1-800-293-1791										
WELL:		Powerline 12-1		CO./STATE Grand County Utah						
TD/TVD:		1895/1895 ft.		PROGRESS: 585 ft. 40.34 (ft/hr)				AFE DHC: 619.001		
No. Days:		8		RIG: Frontier #4		FORMATION: Sand		AFE MORT: 753.501		
RKB:		12		OBJ.: Drilling		PROP. T.D.: 3400 ft.		AFE DAYS: 14		
PRESENT OPERATIONS @ REPORT TIME:					WO water					
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY	CUMUL.	
3.5	P	Drill from 1310 ft. to 1396 ft.				SURFACE DAMAGES				
0.5	P	Survey @ 1322 ft. 1.5 deg.				ROAD, LOC. & SURV.			532	
5.5	P	Drill from 1396 ft. to 1653 ft				CONDUCT. / RATHOLE		6,400	6,400	
0.5	P	Rig service				R.U. / R.D. / MOVE			201,381	
4	P	Drilling from 1653 ft. to 1845 ft. Lost full returns.				RIG (DAYWORK)		27,125	38,750	
3.5	P	Pull up. Circulate & mix LCM pills. Gain full returns.				RIG (FTG. / TURNKEY)				
1.5	P	Drill ahead w/reduced GPM (262 GPM) & WOB. Drill 1845 ft. to 1895 ft. Lost returns again.				WATER & FUEL			10,394	
1.5	P	Mixing 40 bbl LCM pills & displacing out bit. Pump shut off between pills.				MUD & SERVICES		369	4,122	
		Low on water. Stopped pumps & WO water. Moving pipe. Pipe free				BITS / RMRS. / B.H.A.		432	4,896	
3.5	U	WO water. Moving pipe. Pipe free.				DIRECTIONAL EQUIPT.				
						RENTAL EQUIPMENT		1,110	6,690	
						LOG / MUDLOG / DST			15,567	
						INSPECTION & REPAIR				
						CASING CREWS		1,937	1,937	
						CEMENT & EQUIPMENT		11,745	11,745	
						TRANSPORTATION			6,316	
						SUPERVISION		1,000	8,000	
						LABOR & SUPPLIES		22,350	28,097	
						INSURANCE / LEGAL				
						OVERHEAD				
						CASING & ACCESS.				
						WELLHEAD EQUIPT.			2,960	
						CLOSE LOOP SYSTEM				
						HAUL-OFF				
						STUCK & FISHING				
						EQUIP. LOST IN HOLE				
						PLUG & ABANDON				
						MISCELLANEOUS				
TOTAL HRS. TODAY				24		ROTATING HRS. TODAY		14.5		
TOTAL COST (\$):								72,468		
BHA:				Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP.		LEN: 691.62 ft.		Since inspection hrs.		
						DC OD: 6.25		DP OD: 4.00		
								CONN: 4 1/2 XH		
PU/ SO/ ROT:						MAX. ALLOW. PULL:		LB.		
SURVEYS:										
BIT RECORD			HYDRAULICS:			MUD RECORD @		1339		
								LOSS SUMMARY:		
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:	Baroid	BUCKET	HRS	\$(EST)
SIZE, in			STROKE, in	8.00	8.00	DENSITY	8.5	EQPT FAILURE:		
TYPE			LINER, in.	6.50	6.499992	VISCOSITY	29	SURFACE	3.5	10,568
SERIAL No			SPM	80		PV / YP	2 2	DOWNHOLE		
JETS, 32nd			RATE, G.P.M.	262		API WL./HTHP	34	EXECUTION		
TF A, sq in			PRESSURE, psi.	600		CAKE	2	CHG IN SCOPE		
W.O.B., lb			AV/DP, ft./min.			pH	10.2	PORE PRESS.		
RP.M.			AV/DC, ft./min.			GELS: 1/10	1/2/	STUCK PIPE		
TRQ, FT-LB			JET VEL., ft./sec.			CHLOR.	600	GEOLOGIC		
DEPTH OUT			BIT HHP.			CALCIUM		OTHER		
DEPTH IN			PUMP HHP.			EXC. LM.				
FOOTAGE			E.C.D., PPG			SOLIDS	1.2			
HOURS			H.S.I			SAND				
R.O.P., ft/hr.			PUMP #1:	PZ-8		OIL				
I.A.D.C. DULL GRADING, (BIT#)			PUMP #2:			O/W RATIO				
BEARINGS: B:			SP.R. - #1:	SP @		L.C.M.				
GAUGE: G:			SP.R. - #2:	SP @		M.B.T.		Daily Total	3.5	10,568
REMARKS: O:			REMARKS:			EL. STAB.		Cumulative	40.0	41,649
SOLIDS CONTROL EQUIPMENT RUN:			SHAPE SHAKER:			hrs.		SCREEN SIZE:		mesh
			DESANDER:			hrs.		OTHER:		hrs.
			CENTRIFUGE:			hrs.		REMARKS:		
MUD MIXED:										
SAFETY MEETING TOPIC:								ACCIDENTS:		None
LAST SAFETY MTG:				LAST BOP DRILL:				LAST BOP TEST:		9-Sep-2007
CREW SHORT:				PHONE:				WEATHER:		Clear 55 F
TOOL PUSHER:				SUPERVISOR:				DATE:		12-Sep-2007

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	SAMSON			CASING:		FIT(ppgEMW)				
	DAILY DRILLING REPORT			13-Sep-2007		Surface	8-5/8 @ 360			
	FAX REPORTS TO: (918) 591-1720						@			
	CALL REPORTS TO: 1-800-293-1791						@			
WELL:		Powerline 12-1		CO./STATE	Grand County	Utah				
TD/TVD:	2195/2195	ft. PROGRESS:	300	ft.	20.69	(ft/hr)				
No. Days:	9	RIG:	Frontier #4		FORMATION:	Sand				
RKB:	12	OBJ.:	Drilling		PROP. T.D.:	3400	ft.			
PRESENT OPERATIONS @ REPORT TIME:				Drilling ahead						
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):	TODAY	CUMUL.		
4	U	WO water. Received 4 truck loads				SURFACE DAMAGES				
2.5	P	Build mud volume & mix LCM. received two more loads water & 1 load				ROAD, .OC. & SURV.		532		
		LCM. Raised LCM content in mud to 20%				CONDUCT. / RATHOLE		6,400		
1	P	Drill from 1895 ft. to 1917 ft. @ low GPM (260 GPM) Stopped pumps to build				R.U. / R.D. / MOVE		201,381		
		volume. Ran survey @ 1844 ft. 2.5 deg.				RIG (DAYWORK)	15,500	54,250		
3	P	Build mud volume. Raise LCM content to 27%				RIG (FTG. / TURNKEY)				
13.5	P	Drill from 1917 ft. to 2195 ft. Pumping 260 GPM, WOB 20-27K. Seepage losses				WATER & FUEL		10,394		
		Of approximately 30 bbl/hr.				MUD & SERVICES	6,634	10,756		
						BITS / RMRS. / B.H.A.	432	5,328		
						DIRECTIONAL EQUIPT.				
						RENTAL EQUIPMENT	1,305	7,995		
						LOG / MUDLOG / DST		15,567		
						INSPECTION & REPAIR				
						CASING CREWS		1,937		
						CEMENT & EQUIPMENT		11,745		
						TRANSPORTATION		6,316		
						SUPERVISION	1,000	9,000		
						LABOR & SUPPLIES		28,097		
						INSURANCE / LEGAL				
						OVERHEAD				
						CASING & ACCESS.				
						WELLHEAD EQUIPT.		2,960		
						CLOSE LOOP SYSTEM				
						HAUL-OFF				
						STUCK & FISHING				
						EQUIP. LOST IN HOLE				
						PLUG & ABANDON				
						MISCELLANEOUS				
TOTAL HRS. TODAY		24		ROTATING HRS. TODAY		14.5		TOTAL COST (\$):	24,871	372,658
BHA:	Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP.				LEN:	691.62	ft.	Since inspection		hrs.
					DC OD:	6.25	DP OD:	4.00	CONN:	4 1/2 XH
PU/ SO/ ROT:					MAX. ALLOW. PULL:					LB.
SURVEYS:										
BIT RECORD			HYDRAULICS:			MUD RECORD @		1895	LOSS SUMMARY:	
BIT NO			PUMP No.	No. 1	No. 2	COMPANY:	Baroid	BUCKET	HRS	\$(EST)
SIZE, in			STROKE, in.	8.00	8.00	DENSITY	8.5	EQPT FAILURE:		
TYPE			LINER, in.	6.50	6.499992	VISCOSITY		SURFACE	4.0	4,145
SERIAL No			SPM	80		PV / YP	18	4	DOWNHOLE	
JETS, 32nd			RATE, GP.M.	262		API W/L /HTHP	16		EXECUTION	
TF A, sq in			PRESSURE, psi.	600		CAKE	2		CHG IN SCOPE	
W.O.B., lb			AV/DP, ft./min.	135		pH	8.3		PORE PRESS.	
RP.M.			AV/DC, ft./min.	211		GELS: 1/10	£/15/		STUCK PIPE	
TRQ, FT-LB			JET VEL., ft./sec.	238		CHLOR.	500		GEOLOGIC	
DEPTH OUT			BIT HHP.	96		CALCIUM			OTHER	
DEPTH IN			PUMP HHP.	111		EXC. LM.				
FOOTAGE			E.C.D., PPG			SOLIDS	1.2			
HOURS			H.S.I	1.72		SAND				
R.O.P., ft/hr.			PUMP #1:	PZ-8		OIL				
I.A.D.C. DULL GRADING: (BIT#)			PUMP #2:			O/W RATIO				
I:	O:	D:	Loc.:			L.C.M.				
BEARINGS: B:			SP.R. - #1:	SP @		M.B.T.			Daily Total	4.0
GAUGE: G:			SP.R. - #2:	SP @		EL. STAB.			Cumulative	44.0
REMARKS: O:		R:	REMARKS							45,794
SOLIDS CONTROL EQUIPMENT RUN:			SHALE SHAKER:		hrs.	SCREEN SIZE:				mesh
DESANDER:			DESILTER:		hrs.	OTHER:				hrs.
CENTRIFUGE:			REMARKS:							
MUD MIXED:										
SAFETY MEETING TOPIC:										
LAST SAFETY MTG:						LAST BOP DRILL:		ACCIDENTS:		None
CREW SHORT:						PHONE:		WEATHER:		9-Sep-2007
TOOL PUSHER:						DATE:		DATE:		Clear 60 F
Jerry Mecham						Tom Mohr		13-Sep-2007		

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	SAMSON			CASING:			FIT(ppgEMW)		
	DAILY DRILLING REPORT			14-Sep-2007			Surface		
	FAX REPORTS TO: (918) 591-1720						8-5/8 @ 360		
	CALL REPORTS TO: 1-800-293-1791						@		
WELL: Powerline 12-1			CO./STATE Grand County Utah						
TD/TVD: 2708/2708 ft.			PROGRESS: 513 ft. 21.83 (ft/hr)			AFE DHC: 619.001			
No. Days: 10			RIG: Frontier #4			FORMATION: Sand			
RKB: 12			OBJ: Drilling			PROP. T.D.: 3400 ft.			
PRESENT OPERATIONS @ REPORT TIME: Drilling ahead						AFE MORT: 753.501			
						AFE DAYS: 14			
HRS			P/U			(LIST EVENTS IN CHRONOLOGICAL ORDER:)			
13			P			Drill from 2195 ft. to 2450 ft. Losses gradually falling from 30 bbl/hr to 15 bbl/hr			
0.5			P			Survey @ 2377 ft. 3.5 deg			
10.5			P			Drill from 2450 ft. to 2708 ft.			
						SURFACE DAMAGES			
						ROAD, LOC. & SURV.			
						CONDUCT. / RATHOLE			
						R.U. / R.D. / MOVE			
						RIG (DAYWORK)			
						RIG (FTG. / TURNKEY)			
						WATER & FUEL			
						MUD & SERVICES			
						BITS / RMRS. / B.H.A.			
						DIRECTIONAL EQUIPT.			
						RENTAL EQUIPMENT			
						LOG / MUDLOG / DST			
						INSPECTION & REPAIR			
						CASING CREWS			
						CEMENT & EQUIPMENT			
						TRANSPORTATION			
						SUPERVISION			
						LABOR & SUPPLIES			
						INSURANCE / LEGAL			
						OVERHEAD			
						CASING & ACCESS.			
						WELLHEAD EQUIPT.			
						CLOSE LOOP SYSTEM			
						HAUL-OFF			
						STUCK & FISHING			
						EQUIP. LOST IN HOLE			
						PLUG & ABANDON			
						MISCELLANEOUS			
						TOTAL HRS. TODAY			
						ROTATING HRS. TODAY			
						TOTAL COST (\$):			
						CONN:			
						DP OD:			
						LEN:			
						Since inspection			
						CONN:			
						4 1/2 XH			
BHA:			Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWOP,			LEN: 691.62 ft.			
PU / SO / ROT:			/ /			MAX. ALLOW. PULL:			
SURVEYS:						LB.			
BIT RECORD			HYDRAULICS:			MUD RECORD @ 2234			
LOSS SUMMARY:									
BIT NO			PUMP No.			COMPANY:			
SIZE, in			No. 1 No. 2			Baroid			
TYPE			STROKE, in.			DENSITY			
SERIAL No			LINER, in.			EQUPT FAILURE:			
JETS, 32nd			SPM			SURFACE			
T.F.A, sq in			RATE, G.P.M.			DOWNHOLE			
W.O.B., lb			PRESSURE, psi.			EXECUTION			
R.P.M.			AV/DP, ft./min.			CHG IN SCOPE			
TRQ, FT-LB			AV/DC, ft./min.			PORE PRESS.			
DEPTH OUT			JET VEL., ft./sec.			STUCK PIPE			
DEPTH IN			BIT HHP.			GEOLOGIC			
FOOTAGE			PUMP HHP.			OTHER			
HOURS			E.C.D., PPG						
R.O.P., ft/hr.			H.S.I						
I.A.D.C. DULL GRADING: (BIT#)			PUMP #1:			SAND			
I: O: D: Loc.:			PZ-8			OIL			
BEARINGS: B:			PUMP #2:			OWRATIO			
GAUGE: G:			SP.R. - #1:			L.C.M.			
REMARKS: O:			SP @			M.B.T.			
			SP.R. - #2:			Daily Total			
			SP @			Cumulative			
			REMARKS:			44.0			
						45.794			
SOLIDS CONTROL EQUIPMENT RUN:			SHAPE SHAKER:			SCREEN SIZE:			
DESANDER:			hrs.			mesh			
CENTRIFUGE:			hrs.			OTHER:			
			REMARKS:			hrs.			
MUD MIXED:									
SAFETY MEETING TOPIC:						ACCIDENTS: None			
LAST SAFETY MTG:			LAST BOP DRILL:			LAST BOP TEST:			
CREW SHORT:			PHONE:			9-Sep-2007			
TOOL PUSHER:			SUPERVISOR:			Weather: Partly Cloudy 65 F			
Jerry Mecham			Tom Mohr			DATE: 14-Sep-2007			

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 DIV. OF OIL, GAS & MINING

	SAMSON				CASING:				FIT(ppgEMW)								
	DAILY DRILLING REPORT				15-Sep-2007				Surface 8-5/8 @ 360								
	FAX REPORTS TO: (918) 591-1720																
	CALL REPORTS TO: 1-800-293-1791																
WELL:		Powerline 12-1		CO./STATE		Grand County Utah											
TD/TVD:		3108/3108 ft.		PROGRESS:		400 ft. 17.02 (ft/hr)		AFE DHC:		619,001							
No. Days:		11		RIG:		Frontier #4		FORMATION:		Sand, shale, limestone							
RKB:		12		OBJ.:		Drilling		PROP. T.D.:		3400 ft.							
AFE MORT:				AFE DAYS:		14											
PRESENT OPERATIONS @ REPORT TIME: Drilling ahead																	
HRS		P/U		(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY		CUMUL.					
8		P		Drill from 2708 ft. to 2822 ft.				SURFACE DAMAGES									
0.5		P		Rig service				ROAD, LOC. & SURV.				532					
15.5		P		Drill from 2822 ft. to 3108 ft. Survey @ 2872 ft. 5 deg.				CONDUCT. / RATHOLE				6,400					
								R.U. / R.D. / MOVE				201,381					
								RIG (DAYWORK)		15,500		85,250					
								RIG (FTG. / TURNKEY)									
								WATER & FUEL		4,136		15,040					
								MUD & SERVICES		7,026		19,033					
								BITS / RMRS. / B.H.A.		432		6,192					
								DIRECTIONAL EQUIPT.									
								RENTAL EQUIPMENT		1,305		11,347					
								LOG / MUDLOG / DST				15,567					
								INSPECTION & REPAIR									
								CASING CREWS				1,937					
								CEMENT & EQUIPMENT				11,745					
								TRANSPORTATION				6,316					
								SUPERVISION		1,000		11,000					
								LABOR & SUPPLIES				28,097					
								INSURANCE / LEGAL									
								OVERHEAD									
								CASING & ACCESS.									
								WELLHEAD EQUIPT.				2,960					
								CLOSE LOOP SYSTEM									
								HAUL-OFF									
								STUCK & FISHING									
								EQUIP. LOST IN HOLE									
								PLUG & ABANDON									
								MISCELLANEOUS									
				TOTAL HRS. TODAY		24		ROTATING HRS. TODAY		23.5		TOTAL COST (\$):		29,399		422,797	
BHA:		Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP,				LEN:		691.62 ft.		Since inspection		hrs.					
						DC OD:		6.25		DP OD:		4.00		CONN:		4 1/2 XH	
PU/ SO/ ROT:						MAX. ALLOW. PULL:				LB.							
SURVEYS:																	
BIT RECORD			HYDRAULICS:				MUD RECORD @		2753		LOSS SUMMARY:						
BIT NO				PUMP No.		No. 1 No. 2		COMPANY:		Baroid		BUCKET		HRS		\$(EST)	
SIZE, in				STROKE, in.		8.00 8.00		DENSITY		8.6		EQPT FAILURE:					
TYPE				LINER, in.		6.50 8.499992		VISCOSITY		32		SURFACE					
SERIAL No				SPM		82		PV / YP		6 10		DOWNHOLE					
JETS, 32nd				RATE, G.P.M.		269		API W/L /HTHP		20		EXECUTION					
TF A, sq in				PRESSURE, psi.		736		CAKE		2		CHG IN SCOPE					
W.O.B., lb				AV/DP, ft./min.		110		pH		8.4		PORE PRESS.					
RP.M.				AV/DC, ft./min.		172		GELS: 1/10		1/31		STUCK PIPE					
TRQ, FT-LB				JET VEL., ft./sec.		193		CHLOR.		600		GEOLOGIC					
DEPTH OUT				BIT HHP.		115		CALCIUM				OTHER					
DEPTH IN				PUMP HHP.		116		EXC. LM.									
FOOTAGE				E.C.D., PPG		8.83		SOLIDS		1.8							
HOURS				H.S.I.		0.93		SAND									
R.O.P., ft/hr.				PUMP #1:		PZ-8		OIL									
I.A.D.C. DULL GRADING: (BIT#)				PUMP #2:				O/W RATIO									
f: O: D: Loc:				SP.R. - #1:		SP @		L.C.M.									
BEARINGS: B:				SP.R. - #2:		SP @		M.B.T.				Daily Total					
GAUGE: G:				REMARKS:				EL. STAB.				Cumulative		44.0		45,794	
REMARKS: O: R:																	
SOLIDS CONTROL EQUIPMENT RUN:				SHAPE SHAKER:				SCREEN SIZE:				mesh					
DESANDER:				hrs.				DESILTER:				hrs.					
CENTRIFUGE:				hrs.				REMARKS:									
MUD MIXED:																	
SAFETY MEETING TOPIC:												ACCIDENTS:				None	
LAST SAFETY MTG:				LAST BOP DRILL:				LAST BOP TEST:				9-Sep-2007					
CREW SHORT:				PHONE:				WEATHER:				Clear 67 F					
TOOL PUSHER:				Jerry Mecham				SUPERVISOR:				Tom Mohr					
								DATE:				15-Sep-2007					

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 DIV. OF OIL, GAS & MINING

	SAMSON				CASING:				FIT(ppgEMW)														
	DAILY DRILLING REPORT				16-Sep-2007				Surface		8-5/8 @		360										
	FAX REPORTS TO: (918) 591-1720										@												
	CALL REPORTS TO: 1-800-293-1791										@												
WELL:		Powerline 12-1		CO./STATE		Grand County Utah																	
TD/VD:		3366/3366 ft.		PROGRESS:		258 ft. 16.65 (ft/hr)				AFE DHC:		619.001											
No. Days:		12		RIG:		Frontier #4		FORMATION:		Sand, shale, limestone		AFE MORT:		753.501									
RKB:		12		OBJ.:		Drilling		PROP. T.D.:		3400 ft.		AFE DAYS:		14									
PRESENT OPERATIONS @ REPORT TIME: Drilling ahead																							
HRS		P/U		(LIST EVENTS IN CHRONOLOGICAL ORDER:)						COSTS (\$):		TODAY		CUMUL.									
7.5		P		Drill from 3108 ft. to 3226 ft. bit torqued up						SURFACE DAMAGES													
0.5		P		Mix & pump slug. Set back kelly						ROAD, LOC. & SURV.				532									
2.5		P		POH. Pick up bit #2						CONDUCT. / RATHOLE				6,400									
5.5		P		RIH. Wash & ream 4 jts to bottom.						R.U. / R.D. / MOVE				201,381									
8		P		Drill from 3226 ft. to 3366 ft.						RIG (DAYWORK)		15,500		100,750									
										RIG (FTG. / TURNKEY)													
										WATER & FUEL				15,040									
										MUD & SERVICES		3,480		22,513									
										BITS / RMRS. / B.H.A.		9,432		15,624									
										DIRECTIONAL EQUIPT.													
										RENTAL EQUIPMENT		1,305		12,652									
										LOG / MUDLOG / DST				15,567									
										INSPECTION & REPAIR													
										CASING CREWS				1,937									
										CEMENT & EQUIPMENT				11,745									
										TRANSPORTATION				6,316									
										SUPERVISION		1,000		12,000									
										LABOR & SUPPLIES				28,097									
										INSURANCE / LEGAL													
										OVERHEAD													
										CASING & ACCESS.													
										WELLHEAD EQUIPT.				2,960									
										CLOSE LOOP SYSTEM													
										HAUL-OFF													
										STUCK & FISHING													
										EQUIP. LOST IN HOLE													
										PLUG & ABANDON													
										MISCELLANEOUS													
				TOTAL HRS. TODAY		24		ROTATING HRS. TODAY		15.5		TOTAL COST (\$):		30,717		453,514							
BHA:		Bit, Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP,						LEN:		691.62 ft.		Since inspection		hrs.									
								DC OD:		6.25		DP OD:		4.00		CONN:		4 1/2 XH					
PU / SO / ROT:								MAX. ALLOW. PULL:				LB.											
SURVEYS:																							
BIT RECORD				HYDRAULICS:				MUD RECORD @				3144		LOSS SUMMARY:									
BIT NO				PUMP No.		No. 1 No. 2		COMPANY:		Baroid		BUCKET		HRS		\$(EST)							
SIZE, in				STROKE, in.		8.00 8.00		DENSITY		8.6		EOPT FAILURE:											
TYPE				LINER, in.		6.50 6.499992		VISCOSITY		30		SURFACE											
SERIAL No				SPM		82		PV / YP		4 2		DOWNHOLE											
JETS, 32nd				RATE, G.P.M.		269		API W/L./HTHP		28		EXECUTION											
TF.A, sq in				PRESSURE, psi.		720		CAKE		2		CHG IN SCOPE											
W.O.B., lb				AV/DP, ft./min.		110		pH		8.2		PORE PRESS.											
RP.M.				AV/DC, ft./min.		172		GELS: 1/10		1/3/		STUCK PIPE											
TRQ, FT-LB				JET VEL., ft./sec.		193		CHLOR.		600		GEOLOGIC											
DEPTH OUT				BIT HHP.		115		CALCIUM				OTHER											
DEPTH IN				PUMP HHP.		113		EXC. LM.															
FOOTAGE				E.C.D., PPG		8.83 8.7		SOLIDS		1.9													
HOURS				H.S.I.		0.93		SAND															
R.O.P., ft/hr.				PUMP #1:		PZ-8		OIL															
I.A.D.C. DULL GRADING (BIT#)				PUMP #2:		PZ-8		OW RATIO															
I:		O:		D:		Loc.:																	
BEARINGS: B:				SP.R. - #1:		SP @		L.C.M.															
GAUGE: G:				SP.R. - #2:		SP @		M.B.T.				Daily Total											
REMARKS: O:		R:		REMARKS:				EL. STAB.				Cumulative		44.0		45,794							
SOLIDS CONTROL EQUIPMENT RUN:				SHALE SHAKER:				hrs.				SCREEN SIZE:				mesh							
DESANDER:				hrs.				DESILTER:				hrs.				OTHER:				hrs.			
CENTRIFUGE:				hrs.				REMARKS:															
MUD MIXED:																							
SAFETY MEETING TOPIC:																							
ACCIDENTS: None																							
LAST SAFETY MTG:				LAST BOP DRILL:				LAST BOP TEST:				9-Sep-2007											
CREW SHORT:				PHONE:				713-948-6900				WEATHER:				Partly Cloudy 65 F							
TOOL PUSHER:				Jerry Mecham				SUPERVISOR:				Tom Mohr				DATE:				16-Sep-2007			

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NOV 05 2007
DIV. OF OIL, GAS & MINING

	SAMSON		DAILY DRILLING REPORT		17-Sep-2007		CASING:		FIT(ppgEMW)	
	Powerline 12-1		CO./STATE		Grand County Utah		Surface		8-5/8 @ 360	
	FAX REPORTS TO: (918) 591-1720		CALL REPORTS TO: 1-800-293-1791							

WELL:	Powerline 12-1		CO./STATE	Grand County Utah		AFE DHC:	619.001		
TD/TVD:	3552/3552	ft.	PROGRESS:	186	ft.	26.57	(ft/hr)	AFE MORT:	753.501
No. Days:	13	RIG:	Frontier #4		FORMATION:	Sand, shale, limestone		AFE DAYS:	14
RKB:	12	OBJ.	Drilling		PROP. T.D.:	3400	ft.		

PRESENT OPERATIONS @ REPORT TIME: Rig up casing crew

HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)	COSTS (\$):	TODAY	CUMUL.			
7	P	Drill from 3366 ft. to 3552 ft.	SURFACE DAMAGES					
1	P	Circulate bottoms up. Mix & pump slug. Set back Kelly	ROAD, LOC. & SURV.		532			
2.5	P	POH for logs. Lay down motor & reamers	CONDUCT. / RATHOLE		6,400			
5	P	Rig up Halliburton loggers. Run Induction, Density, Dual Spaced Neutron, BH	R.U. / R.D. / MOVE		201,381			
		Neutron, BHC Sonic & Borehole Volume Plot. Loggers TD 3546 ft. Logs	RIG (DAYWORK)	15,500	116,250			
		ran freely	RIG (FTG. / TURNKEY)					
1.5	P	Rig down Halliburton loggers	WATER & FUEL		15,040			
2	P	RIH freely	MUD & SERVICES	2,631	25,144			
1	P	Rig up lay down machine	BITS / RMRS. / B.H.A.	25,564	41,188			
3.5	P	POH laying down drill string	DIRECTIONAL EQUIPT.					
0.5	P	Rig up casing crew	RENTAL EQUIPMENT	1,305	13,957			
			LOG / MUDLOG / DST	17,440	33,007			
			INSPECTION & REPAIR					
			CASING CREWS		1,937			
			CEMENT & EQUIPMENT		11,745			
			TRANSPORTATION		6,316			
			SUPERVISION	1,000	13,000			
			LABOR & SUPPLIES		28,097			
			INSURANCE / LEGAL					
			OVERHEAD					
			CASING & ACCESS.					
			WELLHEAD EQUIPT.		2,960			
			CLOSE LOOP SYSTEM					
			HAUL-OFF					
			STUCK & FISHING					
			EQUIP. LOST IN HOLE					
			PLUG & ABANDON					
			MISCELLANEOUS					
TOTAL HRS. TODAY			24	ROTATING HRS. TODAY	7	TOTAL COST (\$):	63,440	516,954

BHA:	Bit Motor, Drill collars, 3 Pt. Reamer, Drill collar, 3 Pt. Reamer, Drill collars, XO, HWDP,	LEN:	691.62	ft.	Since inspection		hrs.
PU/ SO/ ROT:	/ / /	DC OD:	6.25	DP OD:	4.00	CONN:	4 1/2 XH
SURVEYS:		MAX. ALLOW. PULL:		LB.			

BIT RECORD		HYDRAULICS:		MUD RECORD @		LOSS SUMMARY:	
BIT NO		PUMP No.	No. 1	No. 2	COMPANY:	Baroid	BUCKET
SIZE, in		STROKE, in.	8.00	8.00	DENSITY	8.7	HRS
TYPE		LINER, in.	6.50	6.499992	VISCOSITY	30	\$(EST)
SERIAL No		SPM		82	PV / YP	5	EQPT FAILURE:
JETS, 32nd		RATE, GP.M.		269	API W/L./HTHP	24	SURFACE
TF A, sq in		PRESSURE, psi.		720	CAKE	2	DOWNHOLE
W.O.B., lb		AV/DP, ft./min.		107	pH	3.1	EXECUTION
RP.M.		AV/DC, ft./min.		168	GELS: 1/10	1/3/	CHG IN SCOPE
TRQ, FT-LB		JET VEL., ft./sec.		188	CHLOR.	600	PORE PRESS.
DEPTH OUT		BIT HHP.	115		CALCIUM		STUCK PIPE
DEPTH IN		PUMP HHP.		113	EXC. LM.		GEOLOGIC
FOOTAGE		E.C.D., PPG	8.83	8.7	SOLIDS	2.5	OTHER
HOURS		H.S.I		0.87	SAND		
R.O.P., ft/hr.		PUMP #1:		PZ-8	OIL		
I.A.D.C. DULL GRADING: (BIT#)		PUMP #2:		PZ-8	O/W RATIO		
I: O: D: Loc:		SP.R. - #1:		SP @	L.C.M.		
BEARINGS: B:		SP.R. - #2:		SP @	M.B.T.		
GAUGE: G:		REMARKS:			EL. STAB.		
REMARKS: O: R:							
SOLIDS CONTROL EQUIPMENT RUN:		SHAPE SHAKER:		hrs.	SCREEN SIZE:		mesh
DESANDER:		DESILTER:		hrs.	OTHER:		hrs.
CENTRIFUGE:		REMARKS:					
MUD MIXED:							
SAFETY MEETING TOPIC:						ACCIDENTS:	
						None	
LAST SAFETY MTG:				LAST BOP DRILL:		LAST BOP TEST:	
						9-Sep-2007	
CREW SHORT:		PHONE:		713-948-6900		WEATHER:	
						Light rain 59 F	
TOOL PUSHER:		SUPERVISOR:		DATE:		17-Sep-2007	
Jerry Mecham		Tom Mohr					

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NOV 05 2007
 DIV. OF OIL, GAS & MINING

	SAMSON			CASING:			FIT (ppgEMW)			
	DAILY DRILLING REPORT			18-Sep-2007			Surface	8-5/8 @	360	NA
	FAX REPORTS TO: (918) 591-1720						Production	4-1/2 @	3492	NA
	CALL REPORTS TO: 1-800-293-1791							@		
WELL:		Powerline 12-1		CO./STATE		Grand County		Utah		
TD/TVD:	3552/3552	ft.	PROGRESS:	ft.	(ft/hr)	AFE DHC:		619.001		
No. Days:	14	RIG:	Frontier #4		FORMATION:	Sand, shale, limestone		AFE MORT:		
RKB:	12	OBJ.:	Drilling		PROP. T.D.:	3400	ft.	AFE DAYS:		
PRESENT OPERATIONS @ REPORT TIME:			Rig released							
HRS	P/U	(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY	CUMUL.	
0.5	P	Rig up csg. crew				SURFACE DAMAGES				
0.5	P	Run 4 1/2-in 10.5# J-55 STC csg				ROAD, LOC. & SURV.			532	
0.5	P	WOO. Wait on confirmation of casing run from geology				CONDUCT. / RATHOLE			6,400	
2	P	Run 4 1/2-in 10.5 # J-55 csg. Ran 83 jts. 3,493 ft. Shoe landed @ 3492 ft.				R.U. / R.D. / MOVE			201,381	
		Float landed @ 3448 ft.				RIG (DAYWORK)		15,500	131,750	
0.5	P	Rig down csg. crew & pick up machine				RIG (FTG. / TURNKEY)				
3	U	WO Halliburton				WATER & FUEL		4,196	19,236	
2	P	Rig up Halliburton cementers				MUD & SERVICES		1,504	26,648	
1.5	P	Pump 10 bbl wtr. followed by 40 bbl mud flush. Mix & pump 229 bbl (870 sx) @ w/ 13.5 #/gal. Displ. w/55 bbl wtr. Bump plug @ 1313 psi. Floats held. Had full returns after pumping mud flush. Lost returns when start displacement				BITS / RMRS. / B.H.A.			41,188	
						DIRECTIONAL EQUIPT.				
						RENTAL EQUIPMENT		1,305	15,262	
						LOG / MUDLOG / DST			33,007	
1	P	Rig down Halliburton				INSPECTION & REPAIR				
1.5	P	Nipple down BOP's. Hang off 4 1/2-in csg w/20 K. Clean mud tanks.				CASING CREWS		14,861	16,798	
5	P	Rig down. Rig released 00:00 hrs 09/17/07				CEMENT & EQUIPMENT		50,993	62,738	
						TRANSPORTATION			6,316	
						SUPERVISION		1,000	14,000	
						LABOR & SUPPLIES		2,018	30,115	
						INSURANCE / LEGAL				
						OVERHEAD				
						CASING & ACCESS.				
						WELLHEAD EQUIPT.			2,960	
						CLOSE LOOP SYSTEM				
						HAUL-OFF				
						STUCK & FISHING				
						EQUIP LOST IN HOLE				
						PLUG & ABANDON				
						MISCELLANEOUS				
TOTAL HRS. TODAY		18		ROTATING HRS. TODAY		0.5		TOTAL COST (\$):		
								91,377		
								608,331		
BHA:				LEN:		691.62	ft.	Since inspection		
				DC OD:				CONN:		
PU/ SO/ ROT:				MAX. ALLOW. PULL:				LB.		
SURVEYS:										
BIT RECORD		HYDRAULICS:			MUD RECORD @		3550	LOSS SUMMARY:		
BIT NO		PUMP No.	No. 1	No. 2	COMPANY:	Baroid		BUCKET	HRS	\$(EST)
SIZE, in		STROKE, in.	8.00	8.00	DENSITY	8.7		EQPT FAILURE:		
TYPE		LINER, in.	6.50	6.499992	VISCOSITY	28		SURFACE	3.0	5,048
SERIAL No		SPM			PV / YP	4	2	DOWNHOLE		
JETS, 32nd		RATE, GP.M.			API W/L./HTHP	24		EXECUTION		
T.F.A, sq in		PRESSURE, psi.			CAKE	2		CHG IN SCOPE		
W.O.B., lb		AV/DP, ft./min.			pH	8.1		PORE PRESS.		
RP.M.		AV/DC, ft./min.			GELS: 1/10	1/3/		STUCK PIPE		
TRQ, FT-LB		JET VEL., ft./sec.			CHLOR.	500		GEOLOGIC		
DEPTH OUT		BIT HHP.	115		CALCIUM			OTHER		
DEPTH IN		PUMP HHP.			EXC. LM.					
FOOTAGE		E.C.D., PPG			SOLIDS	2.7				
HOURS		H.S.1			SAND					
R.O.P., ft/hr.		PUMP #1:	PZ-8		OIL					
I.A.D.C. DULL GRADING: (BIT#)		PUMP #2:	PZ-8		O/W RATIO					
I:	O:	D:	Loc.:		L.C.M.					
BEARINGS: B:		SP.R. - #1:	SP @		M.B.T.			Daily Total	3.0	5,048
GAUGE: G:		SP.R. - #2:	SP @		EL. STAB			Cumulative	47.0	50,842
REMARKS: O:		REMARKS: R:								
SOLIDS CONTROL EQUIPMENT RUN:			SHALE SHAKER:		hrs.		SCREEN SIZE:		mesh	
DESANDER:			hrs.		DESILTER:		OTHER:		hrs.	
CENTRIFUGE:			hrs.		REMARKS:					
MUD MIXED:										
SAFETY MEETING TOPIC:										
ACCIDENTS: None										
LAST SAFETY MTG:					LAST BOP DRILL:			LAST BOP TEST:		
								9-Sep-2007		
CREW SHORT:					PHONE:			WEATHER:		
					713-948-6900			Partly Cloudy 51 F		
TOOL PUSHER:					SUPERVISOR:			DATE:		
Jerry Mecham					Tom Mohr			18-Sep-2007		

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		SAMSON			CASING:			FIT(ppgEMW)			
DAILY DRILLING REPORT				19-Sep-2007		Surface		8-5/8 @ 360		NA	
FAX REPORTS TO: (918) 591-1720						Production		4-1/2 @ 3492		NA	
CALL REPORTS TO: 1-800-293-1791											
WELL:		Powerline 12-1		CO./STATE Grand County Utah							
TD/TVD:		3552/3552 ft.		PROGRESS:				AFE DHC:		619.001	
No. Days:		15		RIG: Frontier #4		FORMATION: Sand, shale, limestone		AFE MORT:		753.501	
RKB:		12		OBJ.: Drilling		PROP. T.D.: 3400 ft.		AFE DAYS:		14	
PRESENT OPERATIONS @ REPORT TIME:											
HRS		P/U		(LIST EVENTS IN CHRONOLOGICAL ORDER:)				COSTS (\$):		TODAY	CUMUL.
				SURFACE DAMAGES							
				ROAD, LOC. & SURV.				3,156			3,688
				CONDUCT / RATHOLE							6,400
				R.U. / R.D. / MOVE				26,189			227,570
				RIG (DAYWORK)							131,750
				RIG (FTG. / TURNKEY)							
				WATER & FUEL				54,320			73,556
				MUD & SERVICES							26,648
				BITS / RMRS. / B.H.A.							41,188
				DIRECTIONAL EQUIPT.							
				RENTAL EQUIPMENT							15,262
				LOG / MUDLOG / DST							33,007
				INSPECTION & REPAIR							
				CASING CREWS							16,798
				CEMENT & EQUIPMENT							62,738
				TRANSPORTATION							6,316
				SUPERVISION							14,000
				LABOR & SUPPLIES				2,420			32,535
				INSURANCE / LEGAL							
				OVERHEAD							
				CASING & ACCESS				30,448			30,448
				WELLHEAD EQUIPT.							2,960
				CLOSE LOOP SYSTEM							
				HAUL-OFF							
				STUCK & FISHING							
				EQUIP. LOST IN HOLE							
				PLUG & ABANDON							
				MISCELLANEOUS							
				TOTAL HRS. TODAY		ROTATING HRS. TODAY		TOTAL COST (\$):		116,533	724,864
BHA:						LEN: 691 62 ft.		Since inspection			hrs.
						DC OD:		DP OD:		CONN:	
PU/ SO/ ROT:		/ /				MAX. ALLOW. PULL:				LB.	
SURVEYS:											
BIT RECORD			HYDRAULICS:			MUD RECORD @ 3550			LOSS SUMMARY:		
BIT NO						COMPANY: Baroid			BUCKET		
SIZE, in			PUMP No.			No. 1 No. 2			DENSITY		
TYPE			STROKE, in.			8.00 8.00			EOPT FAILURE:		
SERIAL No			LINER, in.			6.50 6.499992			SURFACE		
JETS, 32nd			SPM			PV / YP			DOWNHOLE		
T.F.A, sq in			RATE, GP.M.			API W/L./HTHP			EXECUTION		
W.O.B., lb			PRESSURE, psi.			CAKE			CHG IN SCOPE		
R.P.M.			AV/DP, ft./min.			pH			PORE PRESS.		
TRQ, FT-LB			AV/DC, ft./min.			GELS: 1/10			STUCK PIPE		
DEPTH OUT			JET VEL., ft./sec.			CHLOR.			GEOLOGIC		
DEPTH IN			BIT HHP.			115			CALCIUM		
FOOTAGE			PUMP HHP.			EXC. LM.			OTHER		
HOURS			E.C.D., PPG			SOLIDS			2.7		
R.O.P., ft/hr.			H.S.)			SAND					
I.A.D.C. DULL GRADING: (BIT#)			PUMP #1:			PZ-8			OIL		
I: O: D: Loc.:			PUMP #2:			PZ-8			O/W RATIO		
BEARINGS: B:			SP.R. - #1:			SP @			L.C.M.		
GAUGE: G:			SP.R. - #2:			SP @			M.B.T.		
REMARKS: O: R:			REMARKS:			EL. STAB.			Daily Total		
									Cumulative		
									47.0		
									50,842		
SOLIDS CONTROL EQUIPMENT RUN:				SHAPE SHAKER:				SCREEN SIZE:			
DESANDER:				hrs.				mesh			
CENTRIFUGE:				hrs.				OTHER:			
				REMARKS:				hrs.			
MUD MIXED:											
SAFETY MEETING TOPIC:											
ACCIDENTS: None											
LAST SAFETY MTG:				LAST BOP DRILL:				LAST BOP TEST: 9-Sep-2007			
CREW SHORT:				PHONE: 713-948-6930				WEATHER:			
TOOL PUSHER: Jerry Mecham				SUPERVISOR: Tom Mohr				DATE: 19-Sep-2007			

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DIV. OF OIL, GAS & MINING

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

CONFIDENTIAL FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-78300
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: N/A
		7. UNIT or CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Powerline 12-1	
2. NAME OF OPERATOR: Samson Resources		9. API NUMBER: 4301931502
3. ADDRESS OF OPERATOR: 370 17th Street, Suite 3000 CITY: Denver STATE: CO ZIP: 80202	PHONE NUMBER: (720) 904-1391	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2331' FSL & 620' FWL		COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 12 23S 18E		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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: 9/11/2007	<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>Spud Notice</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.
Spud Notice

NAME (PLEASE PRINT) <u>Tiffany DiGrappa</u>	TITLE <u>Engineering Technician</u>
SIGNATURE	DATE <u>10/31/2007</u>

(This space for State use only)

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DIV. OF OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Powerline 12-1

API number: 4301931502

Well Location: QQ NWSW Section 12 Township 23S Range 18E County Grand

Well operator: Samson Resources

Address: 370 17th Street, Suite 3000

city Denver state CO zip 80202

Phone: (720) 904-1391

Drilling contractor: Frontier Drilling

Address: 5400 N. Grand Blvd. Suite 430

city Oklahoma City state OK zip 73112

Phone: (405) 745-7700

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
			no water at surface

Formation tops: 1 _____ 2 _____ 3 _____
 (Top to Bottom) 4 _____ 5 _____ 6 _____
 7 _____ 8 _____ 9 _____
 10 _____ 11 _____ 12 _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

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

NAME (PLEASE PRINT) Tiffany DiGrappa

TITLE Engineering Technician

SIGNATURE 

DATE 10/31/2007

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

FORM 6

ENTITY ACTION FORM

Operator: Samson Resources
Address: 370 17th Street, Suite 3000
city Denver
state CO zip 80202

Operator Account Number: N 8020
Phone Number: (720) 904-1391

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303731865	Headwaters #7-15 (<i>light hole strike</i>)		NWSE	15	28S	23E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16478	9/20/2007		11/20/07		
Comments: <i>H NKRT</i>							CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301931502	Powerline 12-1		NWSW	12	23S	18E	Grand
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16479	9/11/2007		11/30/07		
Comments: <i>WHRM</i>							CONFIDENTIAL

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)

Tiffany DiGrappa

Name (Please Print)

Signature

Indexing Technician

10/31/2007

Title

Date

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No.
2. Name of Operator Samson Resources		6. If Indian, Allottee or Tribe Name
3a. Address Two West Second Street Tulsa, OK 74103	3b. Phone No. (include area code) 918-591-1791	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2331'FSL & 620' FWL NWSW SEC12-T23S-R18E		8. Well Name and No. Powerline #12-1
		9. API Well No. 43-019-31502
		10. Field and Pool, or Exploratory Area Wildcat / Sand
		11. County or Parish, State Grand, UT

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"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- 1.) Set Cement Retainer @ 950'
 - 2.) Pumped 34 bbls class "G" cement into perfs under retainer (978'-999'). Left 65' cement on top of retainer.
 - 3.) Perf 409'-413' 2spf. pumped 116 sx Class "G" cement down 4-1/2" casing & up 8-5/8" open hole - returned 2 sx to surface.
- Job was witnessed & approved by Jack Johnson from BLM Moab Office

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Kaye Alley		Title Senior Engineering Technician
Signature		Date 11/01/2007

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 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 page 2)

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

CONFIDENTIAL

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR: **Samson Resources Company** ATTN: **Kathy Staton**

3. ADDRESS OF OPERATOR: **Two West Second St.** CITY **Tulsa** STATE **OK** ZIP **74103-3103** PHONE NUMBER: **(918) 591-1971**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **2331' FSL & 620' FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

5. LEASE DESIGNATION AND SERIAL NUMBER: **UTU-78300**

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

7. UNIT or CA AGREEMENT NAME: **Power Line Unit (proposed)**

8. WELL NAME and NUMBER: **Power Line #12 -1**

9. API NUMBER: **4301931502**

10. FIELD AND POOL, OR WILDCAT: **Wildcat**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWSW 12 23S 18E**

12. COUNTY: **Grand** 13. STATE: **UTAH**

14. DATE SPUDDEC: **9/9/2007** 15. DATE T.D. REACHED: **9/17/2007** 16. DATE COMPLETED: **10/30/2007** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **4538' KB; 4525' GL**

18. TOTAL DEPTH: MD **3,552** TVD _____ 19. PLUG BACK T.D.: MD _____ TVD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): **HRI; BHVP; BCS**
SD, DSN, I

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25"	8.625" J-55	24.00#	0	380		200		surface	
7.875"	4.50" J-55	10.50#	0	3,492		870		1812'	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
none								

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) none								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	see attached

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

29. ENCLOSED ATTACHMENTS: ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: **perf/cmtg details**

30. WELL STATUS: **dry**

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(CONTINUED ON BACK)

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Entrada	1,100				
Navajo	1,421				
Wingate	1,960				

35. ADDITIONAL REMARKS (include plugging procedure)

see attached sheet for perforation & plugging details.

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

NAME (PLEASE PRINT) Randal L. Maxwell TITLE Regulatory Engineer
 SIGNATURE *Randal L. Maxwell* DATE 12/18/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top -- Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

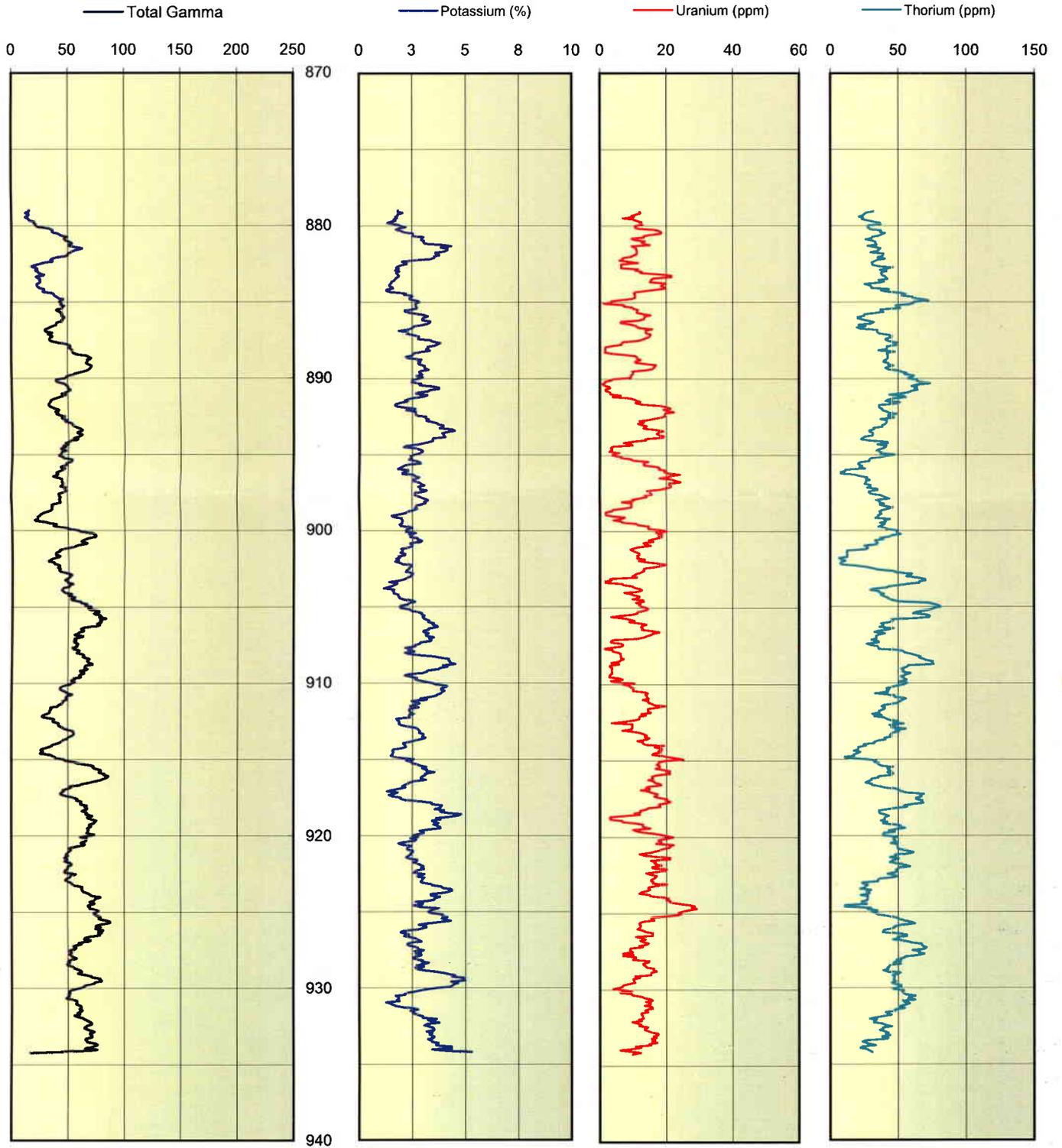
POWER LINE #12-1

Attachment to BLM Form 3160-5 & State of Utah Form 8

- 9/28/07: Perf 1986'-1994' & 1960'-1965' 4spf.
- 10/01/07: Set packer @ 1880'. Circulate 2% KCL to surface. Pump 1500 gals 15% HCL w/50 Bio Ball Sealers, 10 bbl 2% KCL flush. Good ball action.
- 10/04/07: Release pkr @ 1880'. Set CICR @ 1928'. Mix 50 sx cement & pump into Wingate perms. Leave 90' of cement on top of CICR.
- 10/08/07: Perf 1774'-1776' 4spf. Set CICR @ 1760'.
- 10/10/07: Sting into CICR/ Pump 20 bbls H2O w/good circulation. Pump 38 bbls cement & 23,912 scf N2.
- 10/12/07: Perf 1691'-93' 3spf, 1663'-1685' 3spf & 1642'-51' 3spf. Set packer @ 1567'. Acidize w/3500 gals 15% MSA acid and 150 Bio balls.
- 10/13/07: Released pkr @ 1567'.
- 10/17/07: Set Cement Retainer @ 1606'. Sting into retainer & pump 50 sx cement. Left 1.5 bbls on top of retainer.
- 10/18/07: Set Packer @ 1347'. Perf 1435'-1447' 3spf.
- 10/19/07: Pumped 6 BW ahead of 1500 gal 15% MSA acid & 75 ball sealers.
- 10/23/07: Set retainer @ 1405'. Place 48.5 bbls slurry under the retainer & 1.5 bbls on top of retainer.
- 10/24/07: Perforated from 1154'-1156'. Set Cement Retainer @ 1147'. Pumped 160 sx cement up 7-7/8"x 4-1/2".
- 10/26/07: Perf 978'-999' 4spf.
- 10/30/07: Set Cement Retainer @ 950'. Pumped 34 bbls cement into perms under retainer. Left 65' cmt on top of retainer. Perf 409'-413' 2spf. Pumped 116 sx cement down 4-1/2" casing & up 8-5/8" open hole, returned 2 sx to surface. Job was witnessed & approved by Jack Johnson from BLM Moab Office.

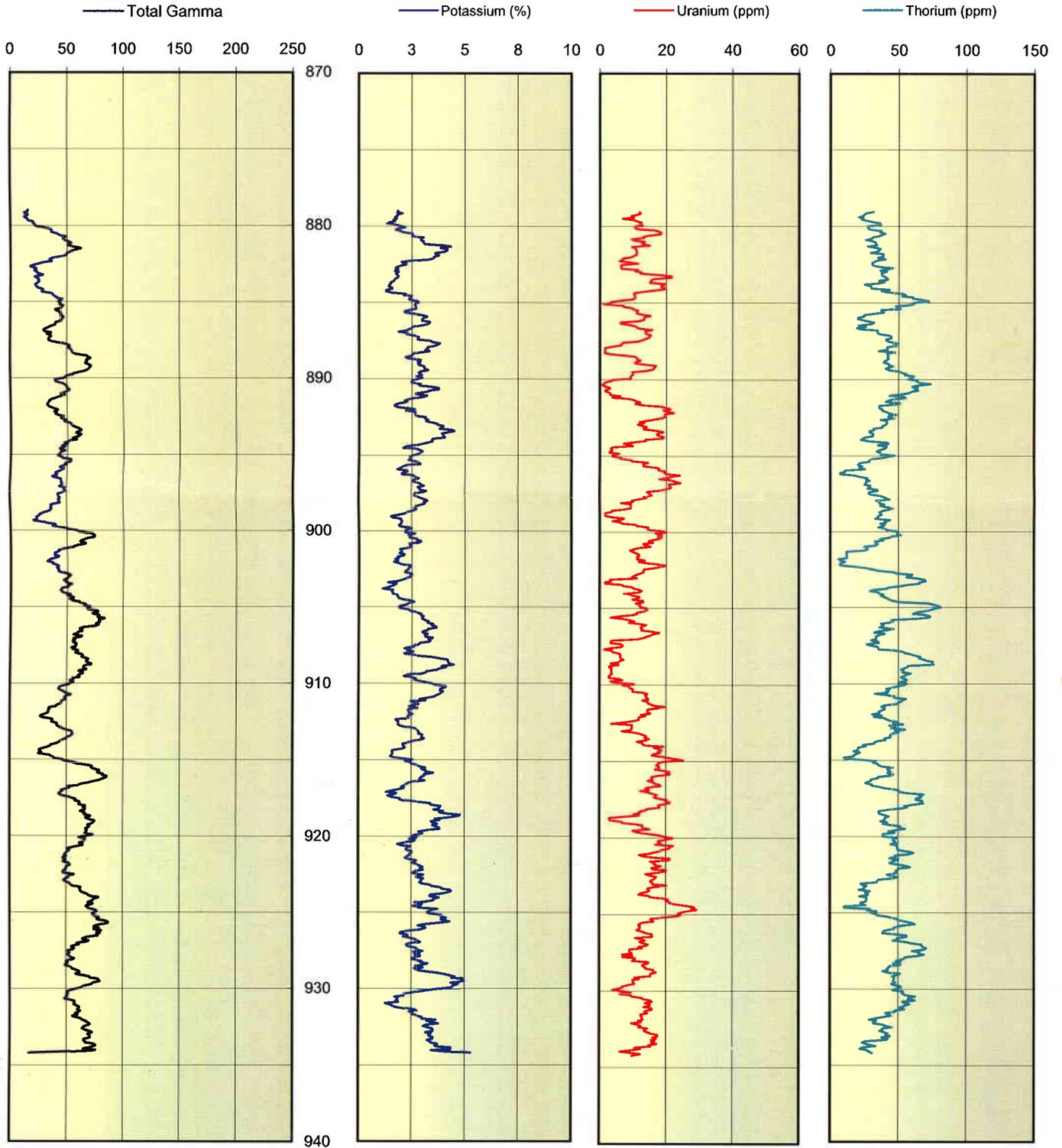


**Samson
Powerline 12-1
Wildcat
Spectral Core Gamma
Scale 5" = 100'**





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Powerline 12-1
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well Oil Well Gas Well Dry Other _____
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff.Resvr.,
 Other _____

2. Name of Operator
Samson Resources Company ATTN: Kathy Staton

3. Address **Two West 2nd Street, Tulsa, OK 74103** 3a. Phone No. (include area code) **(918) 591-1971**

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

At surface **2331' FSL & 620' FWL**

At top prod. interval reported below **N/A**

At total depth **N/A**

14. Date Spudded **9/9/07** 15. Date T.D. Reached **9/17/07** 16. Date Completed D & A Ready to Prod. **10/30/07**

18. Total Depth: MD **3552'** TVD _____ 19. Plug Back T.D.: MD _____ TVD _____ 20. Depth Bridge Plug Set: MD _____ TVD _____

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

HRI; BHVP; BCS

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 Skis. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25"	8.625"	24.00#	0'	380'		200		SURFACE	
7.875"	4.50"	10.50#	0'	3492'		870		1812'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) NONE			SEE ATTACHED			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	SEE ATTACHED

RECEIVED

DEC 24 2007

DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	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.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

28a. Production-Interval B

Date First Produced	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.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						dry & abandoned

28b. Production - Interval C

Date First Produced	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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

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

Entrada

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Entrada	1100'				
Navajo	1421'				
Wingate	1960'				

32. Additional remarks (include plugging procedure):

See attached for perforation and plugging details.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

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) Randal L. Maxwell

Title Sr. Regulatory Engineer

Signature 

Date 12/18/07

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.