

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL DEEPEN PLUG BACK

1b. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Chuska Energy Company

3. Address of Operator
 3315 Bloomfield Highway, Farmington, N.M. 87401 505-326-5525

4. Location of Well (Report location clearly and in accordance with any State requirements.)
 At surface: 715' FNL 1900' FEL
 At proposed prod. zone: Same **BWNE**

5. Lease Designation and Serial No.
 BIA 14-20-603-248

6. If Indian, Allottee or Tribe Name
 NAVAJO TRIBAL

7. Unit Agreement Name
 N/A

8. Farm or Lease Name

9. Well No.
 Red Lake 25 B

10. Field and Foot, or Wildcat
 Wildcat

11. 00, Sec., T., R., N., or S.
 and Survey or Area
 Sec. 25, T41S, R23E

12. County or Parish
 San Juan

13. State
 Utah

14. Distance in miles and direction from nearest town or post office
 4.5 miles south of Montezuma Creek, Utah

15. Distance from proposed location to nearest property or lease line, ft.
 (Also to nearest drive, line, if any) 660'

16. No. of acres in lease
 49,997

17. No. of acres assigned to this well

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.
 1 mile

19. Proposed depth
 5808'

20. Rotary or cable tool
 Rotary

21. Elevations (Show whether DF, ET, GZ, etc.)
 4745' GR/4758' KB

22. Approx. date work will start
 March, 1992

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	K-55, 8 5/8"	24.0	500'	Class 'G' 7%CaCl/1/4Celloflake
7/8"	K-55, 5 1/2"	15.5	5647'	Class 'G' 2%CaCl/1/4Celloflake

See attached for 10 Point Drilling Plan and detailed drilling program

SEP 10 1993

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

I hereby certify that this report is true and complete to the best of my knowledge.
 Signature: [Signature] BARRY A. WIELAND, Title: OPERATIONS MANAGER Date: 5-26-93

(This space for Federal or State office use)
 App No. 43-037-31722 Approval Date _____
 Approved by _____ Title _____ Date _____
 Conditions of approval, if any: _____

BLM Approved

3-18-92

R649-3-2

*See Instructions On Reverse Side

CONFIDENTIAL

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Chuska Energy Company

3. ADDRESS AND TELEPHONE NO.
 3315 Bloomfield Highway, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 715' FNL 1900' FEL
 At proposed prod. zone: Same
 BWNNE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 4.5 miles south of Montezuma Crk, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 660'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4745' GR / 4758' KB

23. PROPOSED CASING AND CEMENTING PROGRAM
 and appear pursuant to 43 CFR 3165.4.

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	K-55, 8 5/8"	24.0	500'
7 7/8"	K-55, 5 1/2"	15.5	5647'

5. LEASE DESIGNATION AND SERIAL NO.
 NOC 8702-1116 14-20-603-24

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo Tribal

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME, WELL NO.
 Red Lake 25B

9. AN WELL NO.

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., N., OR BLE. AND SURVEY OR AREA
 25-41S-23E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

16. NO. OF ACRES IN LEASE
 49,997

17. NO. OF ACRES ASSIGNED TO THIS WELL

19. PROPOSED DEPTH
 5808'

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START
 March '92

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED QUANTITY OF CEMENT
 Class 'G' / 2% CaCl / 1/4 celloflake
 Class 'G' / 2% CaCl / 1/4 celloflake

SEE ATTACHED FOR 10 POINT DRILLING PLAN AND DETAILED DRILLING PROGRAM

"Approval of this action does not warrant that the applicant holds legal or equitable rights or title to this lease."

RECEIVED
 BLM
 2 MAR -6 PM 1:37
 FARMINGTON, N.M.

SEP 10 1992

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

24. SIGNED [Signature] TITLE Operations Manager DATE 3-2-92

PERMIT NO. _____ APPROVAL DATE _____

APPROVED AS AMENDED

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 operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
 APPROVED BY [Signature] TITLE AREA MANAGER DATE _____

*See Instructions On Reverse Side OPERATOR

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN
Red Lake 25B

Section 25, Township 41 South, Range 23 East
715' FNL, 1900' FEL
San Juan County, Utah

SURFACE FORMATION:

Geological name of surface formation: Morrison

ELEVATION:

Surface elevation is 4,745' GR/ 4,758' KB

ESTIMATED FORMATION TOPS

DEPTH	FORMATION	SUB-SEA ELEV.
551'	Navajo	+4207'
1391'	Chinle	+3367'
2479'	DeChelly	+2279'
2726'	Organ Rock	+2032'
3426'	Cedar Mesa	+1332'
4429'	Hermosa	+329
5305'	upper Ismay	-547'
5419'	lower Ismay	-661' Secondary
5473'	Desert Crk	-715' Primary
5647'	Akah	-889'
5808'	Total Depth	-1050'

4. PROPOSED CASING/CEMENTING PROGRAM

	DEPTH	SIZE	WEIGHT	GRADE	COUPLING
SURFACE	500'	8 5/8"	24.0 ppf	K-55	STC
PROD.	5,647'	5 1/2"	15.5 ppf	K-55	STC

SURFACE CEMENTING:

371 sx Class 'G' Cement with 2% CaCl and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume will be calculated at 100% excess over annular volume.

PRODUCTION CEMENTING:

First Stage

TD to 3500' (stage collar @ +3500'). Lead with 168 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 426 ft³.

SECOND STAGE

3500' to surface. Lead with 271 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 616 ft³.

NOTE: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

5. BLOWOUT PREVENTER (SEE ATTACHED SCHEMATICS)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per attached Exhibits "A" and "B". This will be a 10" x 900 series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps are necessary for hole cleaning.

3500' to TD

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD - 4000'

Drill stem testing will be as per the wellsite geologists' recommendations, based on shows. A mud logging unit will be utilized during drilling operations from 4000' to TD.

9. ABNORMAL PRESSURES/GAS

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however, regular checks will be made while drilling the well.

10. TIMING

The drilling and evaluation of this well is estimated be 18 days. Anticipated drilling will be March '92.

DETAILED DRILLING PROGRAM

DATE: February 25, 1992

WELL NAME: Red Lake **WELL NO.:** 25B

LOCATION: Section 25-41S-23E
715' FNL, 1900' FEL
San Juan County, Utah

ELEVATION: 4745' GR/ 4758'KB

TOTAL DEPTH: 4758'KB

PROJECTED HORIZON: Primary Target is Desert Crk @ 5473'
Secondary Target is lower Ismay @ 5419'

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to +/- 515'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1 degree at 500'. Deviation surveys will be run at least at 250' and at casing point.
4. Run 8 5/8", 24 lb/ft, K-55, ST&C casing to TD. Cement with 371 sx (427 ft³) of Class 'G' cement with 2% CaCl₂ and 1/4 #/sk Celloflake (sufficient slurry volume to circulate cement to surface.)
5. W.O.C. a minimum of 4 hours prior to nipping up for BOP stack and related equipment. See BOP schematics for details.
6. Ensure that plug has been down at least 8 hours prior to commencing pressure testing procedures. Pressure test BOP to 2,000 psig for 30 minutes. Pressure test manifold and all related equipment to 2000 psig. Pressure test casing to 1500 psig for 30 min.
7. Drill out surface casing with 7/8" bit. Drill 7/8" hole to TD. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5 degree @ TD, with maximum allowable rate of change to be 1 degree per 100'.

8. Run open hole logs and evaluate. Coring and/or drill stem testing will be as per well site geologist's recommendation.
9. If the well is determined to be productive run 5 1/2" casing to TD., as per casing program in 10 Point Drilling Plan. Set stage cementing collar at +/- 3,500 ft. In addition to placing centralizers over potential production zones, they will also be run to cover the aquifer sands of the Navajo and DeChelly formations, as per BLM stipulations. Cement production casing in two stages as per cementing program in 10-Point Drilling Plan.
10. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
11. If well is non-productive it will be plugged and abandoned as per State, BLM, and Navajo Tribal stipulations.

Red Lake 25B
Section 25-Township 41 South, Range 23 East
715' FNL, 1900' FEL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE:

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

PLUGGING AND ABANDONMENT:

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and BIA requirements.

Red Lake 25B
Section 25, T 41 South, R 25 East
715' FNL, 1900' FEL
San Juan County, Utah

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed to Montezuma Creek. Existing roads will be maintained, as needed, while operations are in progress.

2. PLANNED ACCESS ROAD

The access road will be as shown on the attached topographic map. The road will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. 2600' ft of new road will be built to access the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be acquired from the San Juan River or McElmo Creek and will be hauled using Chuska Energy Company water trucks, under State of Utah Division of Water Rights Permit Numbers 09-1724, (T64796) or 09-1723 (T64795).

6. SOURCE OF CONSTRUCTION MATERIAL

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined as required, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill diagram and a schematic of the proposed rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

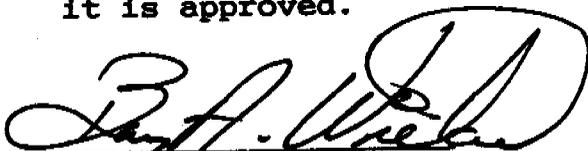
After drilling operations are completed, the location and surrounding area will be cleared of all remaining debris and materials not required for production. Compacted areas will be plowed or ripped to a depth of 12 to 16 inches before reseeding. The existing reserve pit will be used. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

11. OPERATORS REPRESENTATIVE

CHUSKA ENERGY COMPANY
3315 BLOOMFIELD HIGHWAY
FARMINGTON, NM 87401
Barry A. Wieland

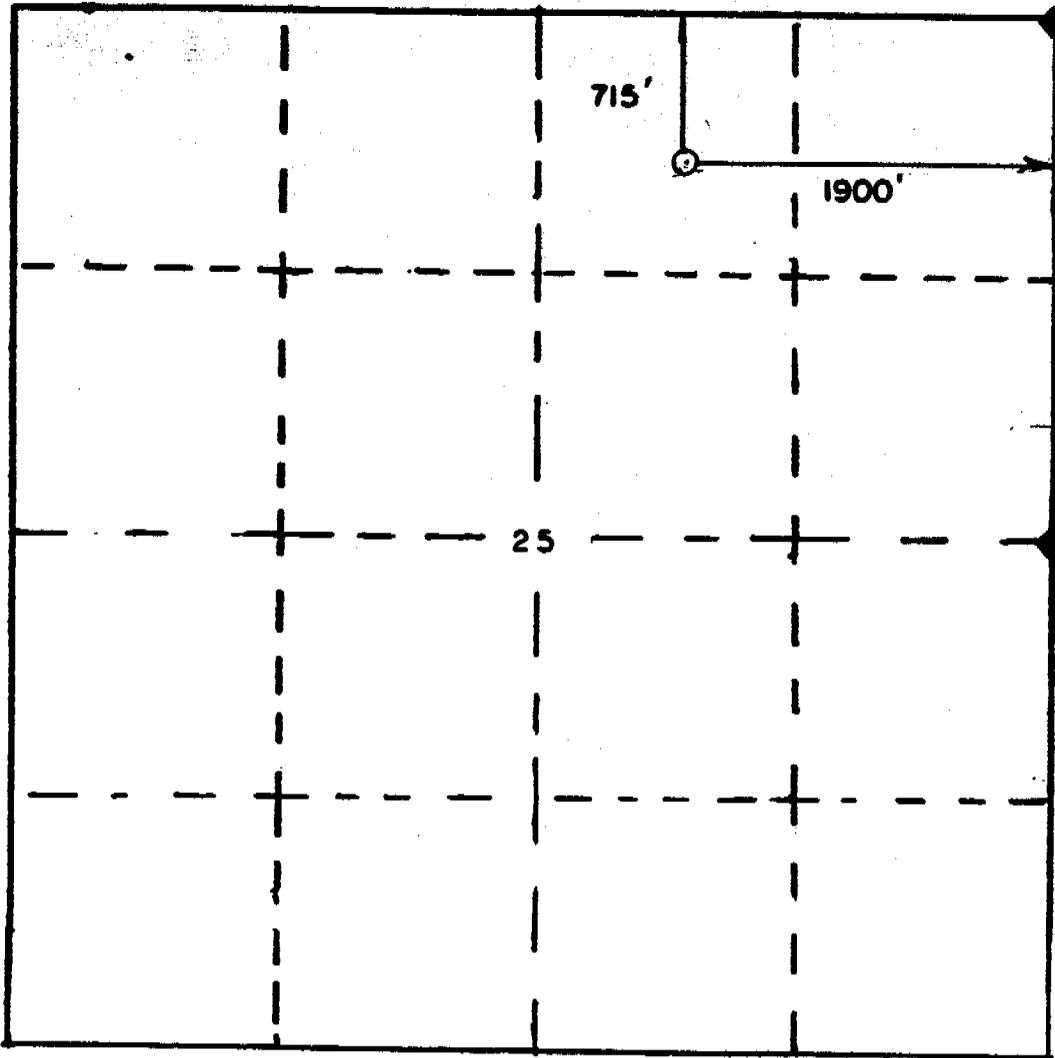
12. CERTIFICATION

I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its sub-contractors, in conformity with the terms and conditions under which it is approved.



Barry A. Wieland
Operations Engineer

WELL LOCATION PLAT



North
1" = 1000'
◆ brass cap
● stone

RECEIVED
BLM
92 MAR -6 PM 1:37
019 FARMINGTON, N.M.

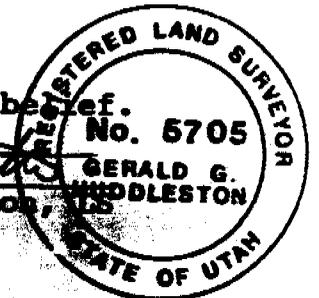
WELL LOCATION DESCRIPTION:

CHUSKA ENERGY CO., Red Lake 25 - B
715'FNL & 1900'FEL
Section 25, T.41 S., R.23 E., SLM
San Juan County, UT
4745' ground elevation
State plane coordinates from seismic control:
X = 2,629,618 Y = 201,571
sta. 472 line 900-6

The above is true and correct to my knowledge and belief.

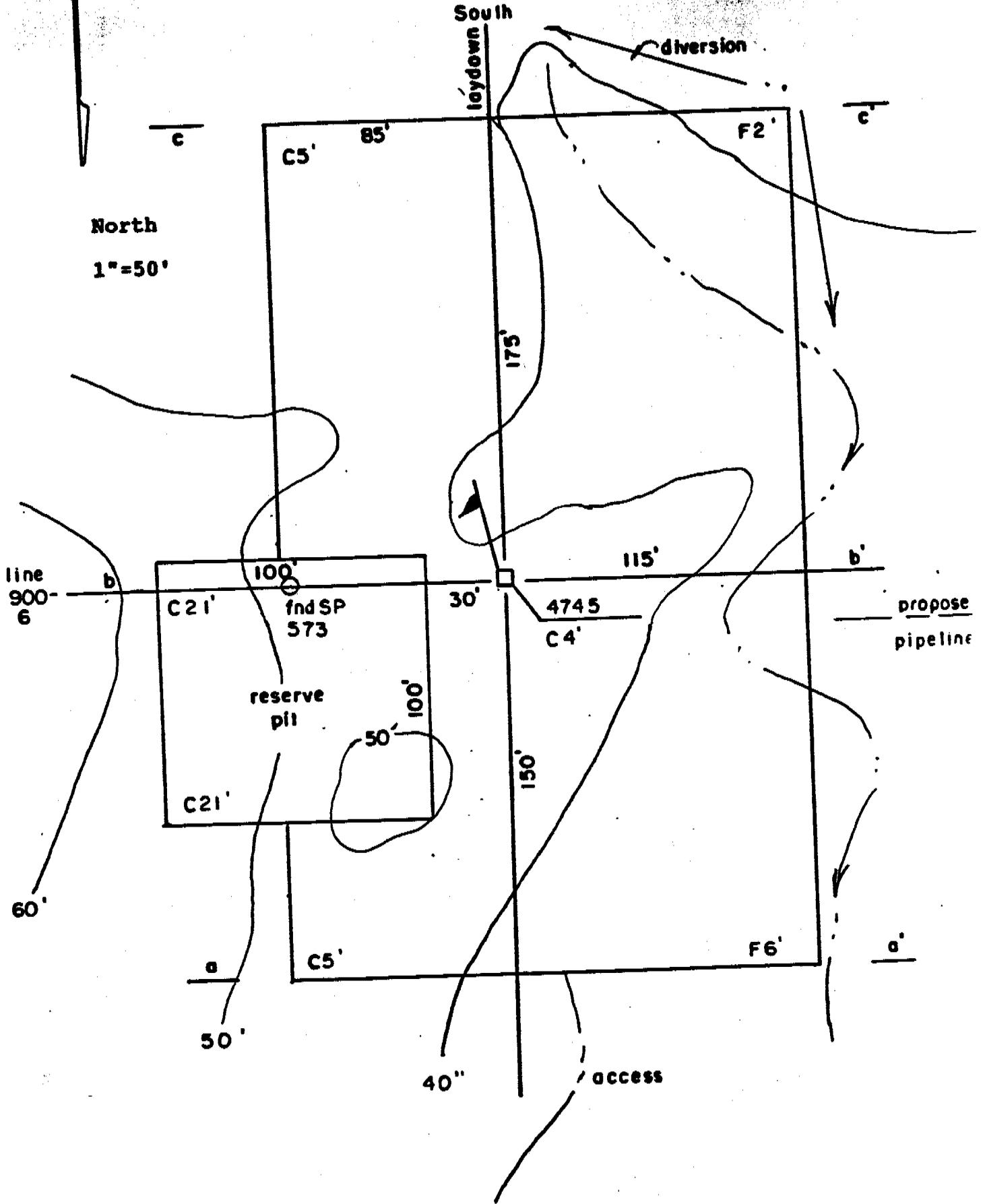
11 November 1991

Gerald G. Huddleston
Gerald G. Huddleston, S



PLANVIEW SKETCH

Red Lake 25 - B



ckhorn 111-2

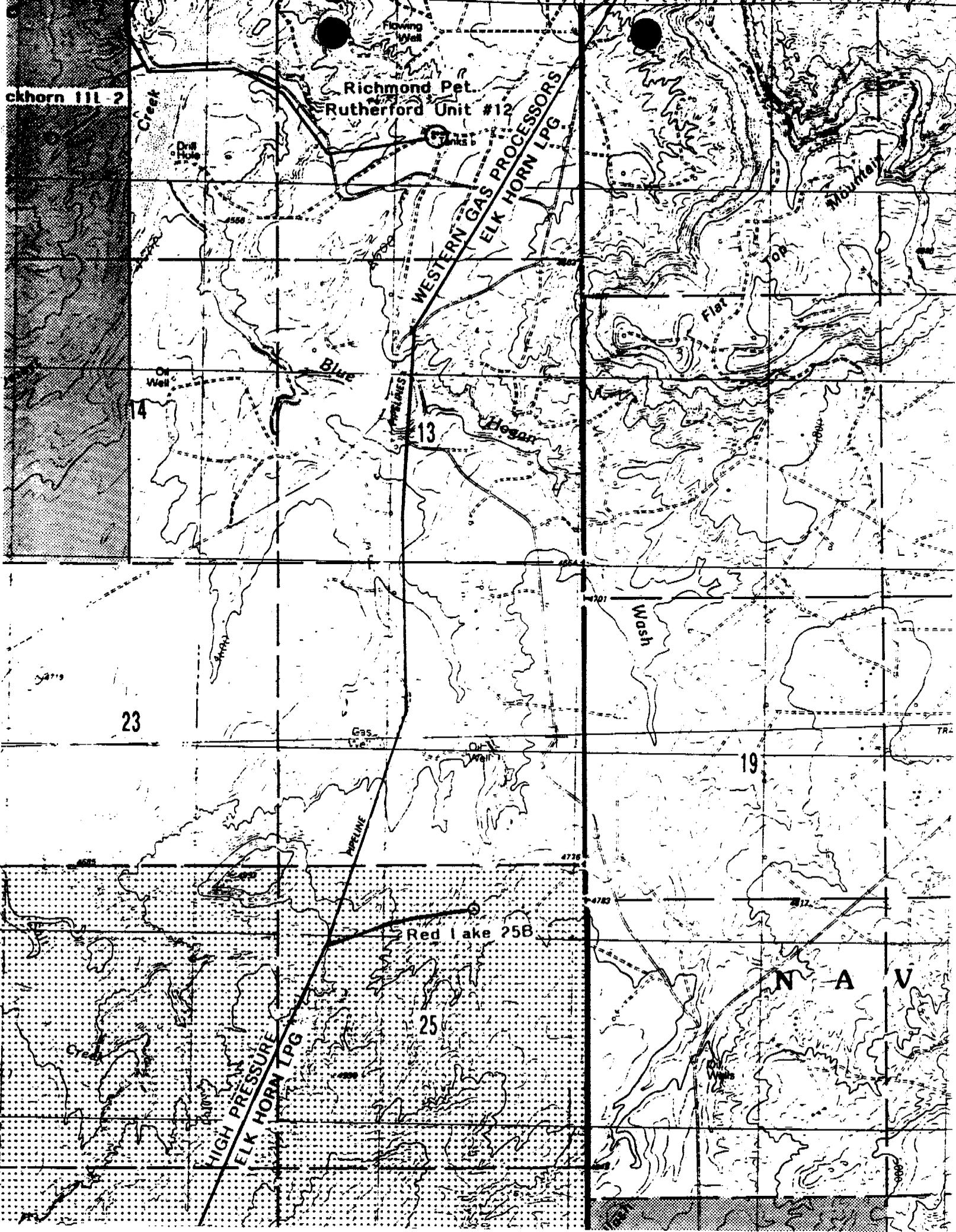


EXHIBIT "A"
BLOWOUT PREVENTER

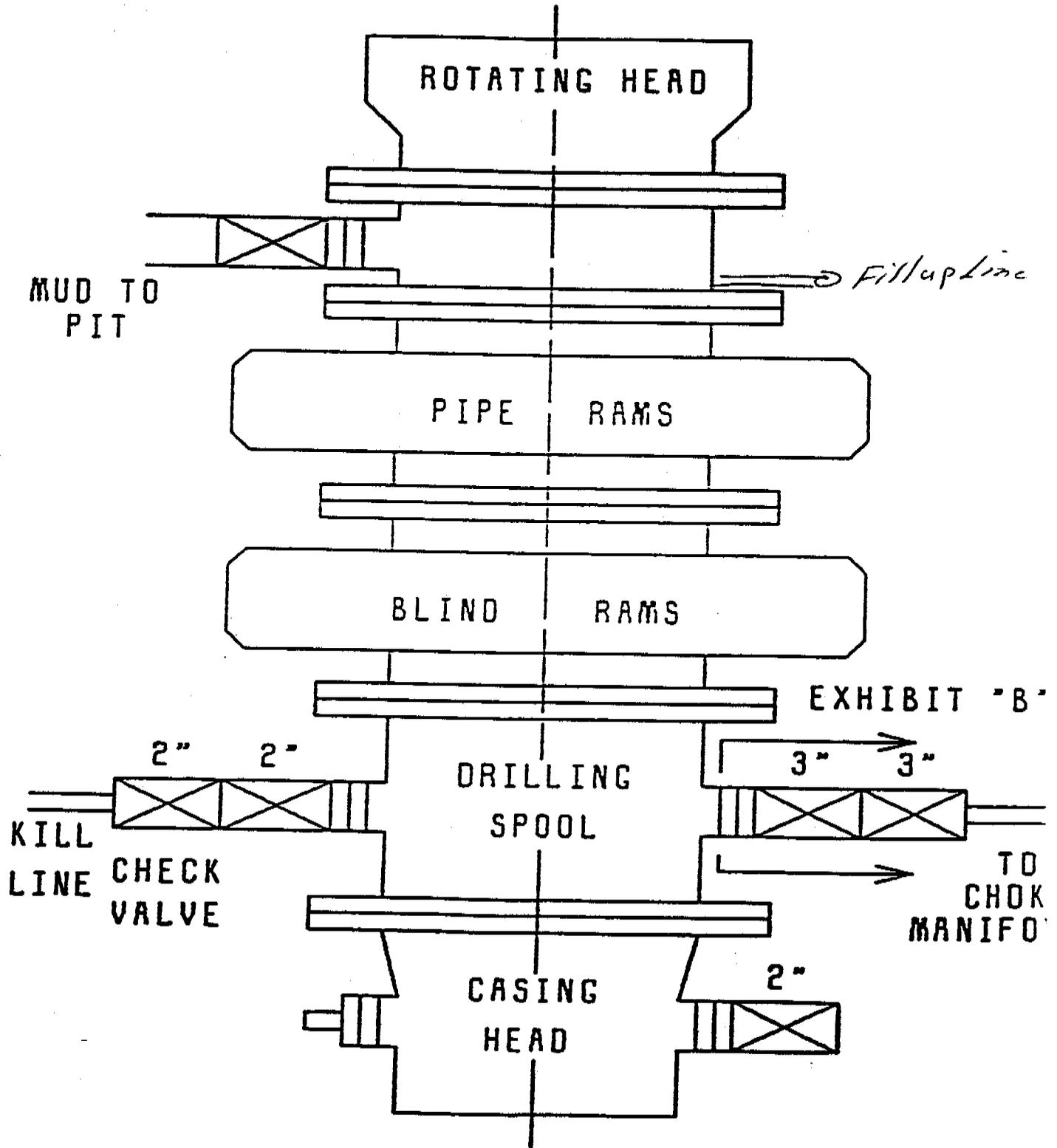
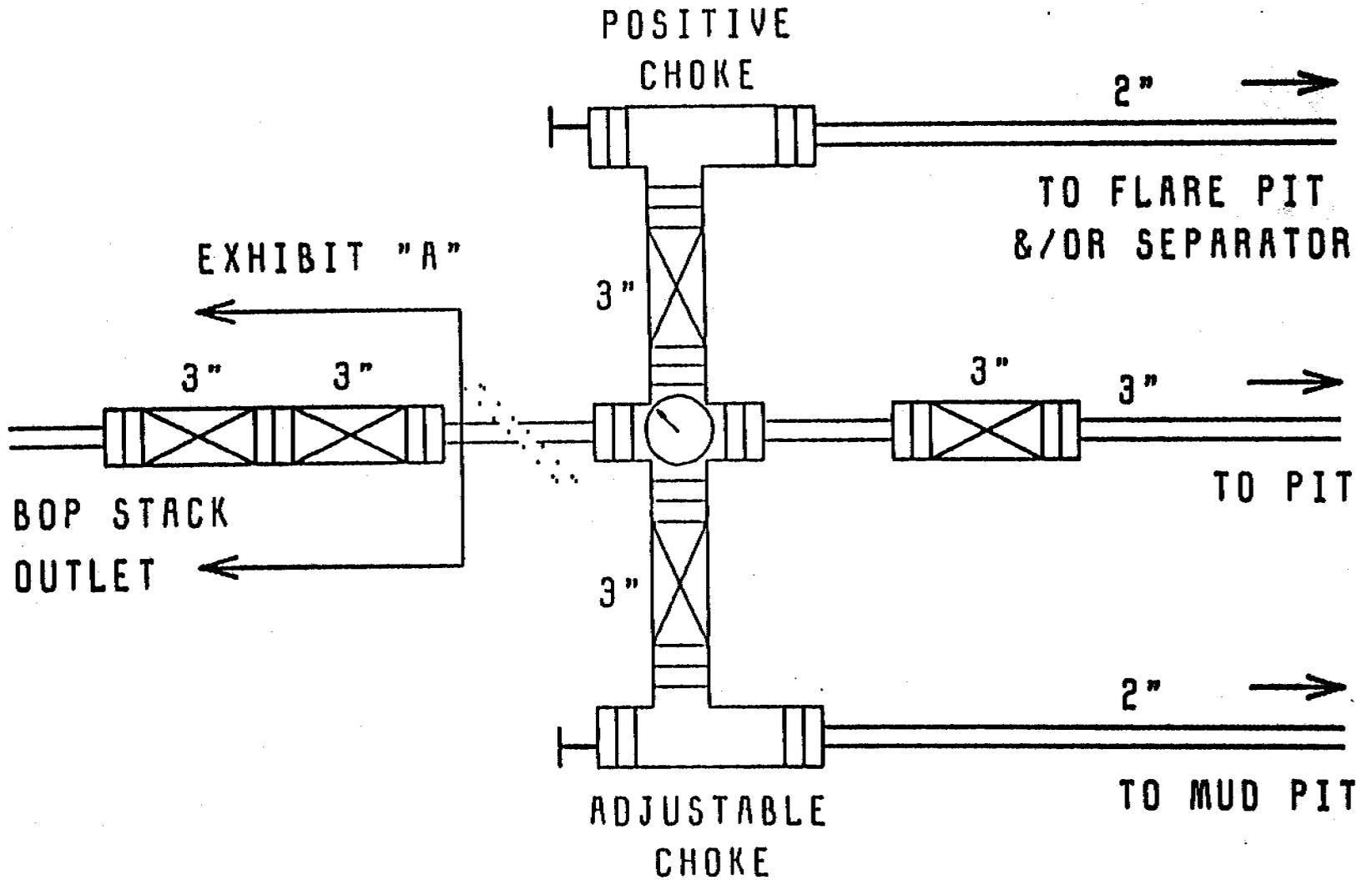


EXHIBIT "B" CHOKE MANIFOLD





United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE
PRIDE IN
AMERICA

IN REPLY REFER TO:

3162.3-f (019)

Chuska Energy Company
#25B Red Lake
14-20-603-248
NW¹/NE¹ sec. 25, T. 41 S., R. 23 E.
San Juan County, New Mexico

Above Data Required on Well Sign

GENERAL REQUIREMENTS
FOR
OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

In addition to those requirements set forth in the laws, regulations and Onshore Orders, these requirements apply generally to all oil and gas operations on Federal and Indian leases. They apply specifically to the above-described well. Special requirements that apply and are effective for this well, if any, are check-marked in Section VII of these General Requirements. The failure of the operator to comply with these requirements and the filing of required reports will result in strict enforcement of 43 CFR 3163.1 or 3163.2.

I. GENERAL

A. Full compliance with all applicable laws, regulations, and Onshore Orders, with the approved Permit to Drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors.

B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or allotted, (see 43 CFR 3162.6(b)).

C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.

D. For Wildcat wells only, a drilling operations progress report is to be submitted weekly from spud date until the well is completed and the Well Completion Report (Form 3160-4) is filed. The report should be on 8 1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.

E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

2. Well Completion Report (Form 3160-4) will be submitted within 30 days after well has been completed.

3. Two copies of all electrical and open-hole logs run (two copies of the mud log are required if no open hole electric logs are run).

4. A cement evaluation log if cement is not circulated to surface.

III. DRILLER'S LOG

A. The following shall be entered in the daily driller's log:

1. Blowout preventer pressure tests, including test pressures and results.

2. Blowout preventer tests for proper functioning.

3. Blowout prevention drills conducted.

4. Casing run, including size, grade, weight, and depth set.

5. How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc..

6. Waiting on cement time for each casing string.

7. Casing pressure tests after cementing, including test pressure and results.

8. Estimated amounts of oil and gas recovered and/or produced during drillstem tests.

IV. GAS FLARING

A. Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * days or 50 MMcf following its (completion) (recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted, and you shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

* 30 days, unless a longer test period specifically is approved by the authorized officer. The 30-day period begins when the casing is first perforated for cased holes, and when Total Depth (TD) is reached for open hole completion.

BLM CONDITIONS OF APPROVAL

Operator Chuska Energy Company Well Name 25B Red Lake
 Legal Location 715'FNL/1900'FEL Sec. 25 T. 41 S. R. 23 E.
 Lease Number 14-20-603-248 Field Inspection Date 11-14-92

The following stipulations will apply to this well unless a particular Surface Managing Agency (SMA) or private surface owner has supplied to BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between the operator and fee land owner will take precedence over BLM surface stipulations unless (In reference to 43 CFR Part 3160)
 1) BLM determines that the operator's actions will affect adjacent Federal or Indian surface, or 2) the operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

I. LOCATION AND ACCESS ROAD

A. Well area and lease premises will be maintained in a workmanlike manner with due regard to safety, conservation and appearance. All liquid waste, completion fluids and drilling products associated with oil and gas operations will be contained and then buried in place, or removed and deposited in an approved disposal site. Trash cages will be used for all solid waste and removed from location to an approved solid waste disposal site. No solid waste shall be put in reserve pit before, during or after drilling operations.

B. Piñon-juniper trees and brush will be uprooted from road ROW and well pad locations and distributed along ROWs and stockpiled beside well pads for fuelwood salvage. Care will be taken to keep trees as undamaged as practically possible. Large vegetation such as sagebrush, juniper and piñon will not be incorporated into pit walls. All uprooted vegetation will be scattered on the reclaimed portion of location so it does not detract from the natural appearance of the area.

C. Surface disturbance and vehicular traffic will be limited to the approved location and approved access road.

D. Mud pits and blow pits will be constructed so as not to leak, break or allow discharge of liquids or produced solids. At least half of the capacity of reserve pit must be in cut. The top of the outside wall of reserve pit should be smoothed-off with a minimum of one blade width. The pit should have adequate capacity to maintain 2 feet of free board. Pits are not to be located in natural drainages. Pit walls are to be "walked down" by a crawlertype tractor following construction and prior to usage. Any plastic material used to line pits must be removed to below-ground level before pits are covered. The final grade of reserve pit (after reclamation) shall allow for drainage away from pit area.

E. All unguarded pits (reserve/production/blow pits) containing liquids will be fenced with woven wire. Drilling pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced. All fencing must be a legal fence in accordance with N.M. State Law. Liquids in pits will be allowed to evaporate, or be properly disposed of, before pits are filled and recontoured. (This office will be notified 24 hours prior to fluid hauling). Under no circumstances will pits be cut and drained. Aeration of pit fluids must be confined within pit area.

F. No gravel or other related minerals from new or existing pits on Federal land will be used in construction of roads, well sites, etc., without prior approval from the Surface Managing Agency.

G. Prior to crossing, using or paralleling any improvement on public land, operator shall contact the owner of the improvement to obtain mitigating measures to prevent damage to improvements.

H. All cut fences are to be tied to braces prior to cutting. The opening will be protected during construction to prevent the escape of livestock. A temporary closure will be installed on all cut fences the same day the fence is cut. A permanent cattleguard will be installed and maintained in any cut fence unless otherwise stipulated in writing. A twelve-foot gate will be installed adjacent to all new cattleguards.

I. Berms or firewalls will be constructed around all storage facilities sufficient in size to contain the storage capacity of tanks, or the combined capacity of tanks if a rupture could drain more than one tank.

J. All roads on public land must be maintained in good passable condition.

K. A proposed use of pesticide, herbicide or other possible hazardous chemical on BLM land shall be cleared for use prior to application.

CULTURAL RESOURCES (ARCHAEOLOGY)

A. EMERGENCY DISCOVERY IN THE ABSENCE OF MONITORING: This stipulation applies in emergency discovery situations where monitoring for cultural resources was not being performed because the presence of cultural resources could not have been anticipated. If, in its operations, operator discovers any historic or prehistoric ruin, monument, or site, or any object of antiquity subject to the Antiquities Act of 1979, and 43 CFR Part 3, then work will be suspended and discovery promptly reported to BLM Area Manager. BLM will then specify what action is to be taken. BLM will evaluate the discovery, evaluate its significance, and consult with the State Historic Preservation Officer. Minor recordation, stabilization, or data recovery may be performed by BLM. However, more significant mitigation shall be carried out by a qualified, permitted archeologist. It is BLM's responsibility to ensure that such mitigation is carried out in accordance with 36 CFR Part 800.11. Given the timeframes involved in BLM's budgeting process, operators are strongly encouraged to fund such required mitigation. Further damage to significant cultural resources and operations in its vicinity will not be allowed until any required mitigation is successfully completed.

B. DISCOVERY OF CULTURAL RESOURCES DURING MONITORING: This stipulation applies to situations where archeological monitoring was taking place because local geologic conditions favored the presence of subsurface archeological sites in the project area. If monitoring confirms the

presence of subsurface sites, all work will cease in the site area. The monitor will immediately report this find to BLM Area Manager. BLM will specify what further steps must be taken to assess the damage to the site and to mitigate any adverse effects to it. Monitoring in these circumstances is considered to be a form of inventory and the operator will be responsible for obtaining at his/her expense a qualified permitted archeologist to complete a damage assessment report and to carry out any mitigation required by the BLM.

C. **DAMAGE TO PREVIOUSLY IDENTIFIED SITE:** This stipulation applies to situations where operations have damaged a previously identified archeological site that was visible on the surface. If, in its operations, operator damages, or is found to have damaged, any historic or prehistoric ruin/monument/or site/or any object of antiquity subject to the Antiquities Act of 1906, the Archeological Resource Protection Act of 1979, and 32 CFR Part 3, the grantee will prepare and implement a data recovery plan at his/her expense. The grantee will obtain at his/her expense, a qualified permitted archeologist to carry out the specific instruction of BLM.

RESEEDING AND ABANDONMENT

A. All surface areas disturbed during drilling activities and not in use for production activities, will be reseeded the first July-September period after reserve pit has been filled in and/or location abandoned. For producing locations, this should occur in the first 12 months after drilling is completed.

B. After top soil has been placed on location, compacted areas of well pad will be plowed or ripped to a depth of 12" before reseeded. The surface should be left rough to help retain rain fall. All seeding is recommended to be done between July 1 and September 15. Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted between one-half inch deep and three quarter inch deep. The seeder will be followed with a drag, packer or roller to insure uniform coverage of seed, and adequate compaction. Drilling of the seed will be done on the contour where possible. Where slopes are too steep for contour drilling a "cyclone" hand-seeder or similar broadcast seeder will be used, after preparation of an adequate seed-bed. Seed will then be covered to a depth described above by whatever means is practical. Mulching, excelsior netting and/or netting may be required on steep slopes.

C. After seeding, remaining rocks and vegetation (trees, brush, etc.) should be placed on the seeded areas using back hoes or rubber tired front-end loaders.

D. If, in the opinion of the SMA, the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

E. If, upon abandonment of wells, the retention of access road is not considered necessary for the management and multiple use of the natural resources, it will be ripped a minimum of 12" in depth. After ripping, water bars will be installed. All ripped surfaces are to be protected from vehicular travel by construction of a deadend ditch and earthen barricade at the entrance to these ripped areas. (Re seeding of affected areas may be required).

BUREAU OF INDIAN AFFAIRS
SURFACE MANAGEMENT STIPULATIONS
TO BE INCLUDED IN APD

COMPANY.....: Chuska Energy Co.
WELL NO.....: Red Lake 25-13
DATE OF INSPECTION: Nov. 14, 1992
PROVIDED BY.....: R. Cornett

STIPULATIONS
CHECKED
APPLY

✓ 1. ALL ABOVE GROUND STRUCTURES AND EQUIPMENT WILL BE PAINTED WITH THE FOLLOWING NON-GLARE COLOR.

<u>BROWN</u>	<u>FED. STANDARD</u>	<u>595A - 30318</u>
<u>GREEN</u>	<u>FED. STANDARD</u>	<u>595A - 34127</u>
<u>GRAY</u>	<u>FED. STANDARD</u>	<u>595A - 36357</u>
<input checked="" type="checkbox"/> <u>SAND</u>	<u>FED. STANDARD</u>	<u>595A - 30277</u>
<u>MOBIL BEIGE 12-F-38</u>		

✓ 2. COMPACTED AREAS WILL BE PLOWED OR RIPPED TO A DEPTH OF 12 TO 16 INCHES BEFORE RESEEDING. SEED WILL BE DRILLED TO A DEPTH OF .5 TO .75 INCH OR BROADCAST AND FOLLOWED BY A DRAG OR PACKER. IF BROADCAST, THE RECOMMENDED SEED MIX WILL BE APPLIED AT 150% OF THE RECOMMENDED RATE. THE FOLLOWING SEED MIX WILL BE USED.

<u>SPECIES</u>	<u>LBS./ACRE/PLS</u>
CRESTED WHEATGRASS.....	_____
SLENDER WHEATGRASS.....	_____
SMOOTH BROME.....	_____
ORCHARDGRASS.....	_____
YELLOW SWEETCLOVER.....	_____
SAINFOIN.....	_____
WESTERN WHEATGRASS.....	_____
* ✓ SAND DROPSEED.....	<u>1</u>
ALKALI SACATON.....	_____
✓ INDIAN RICEGRASS.....	<u>3</u>
GALLETA.....	_____
NEEDLE-N-THREAD.....	_____
SQUIRREL TAIL.....	_____
SIDE OATS GRAMA.....	_____
FOUR-WING SALTBUSH.....	_____
* ✓ SHADSCALE..... <u>GIANT DROPSEED</u>	<u>1</u>
✓ WINTER FAT... <u>Mammoth Wildrye</u>	<u>3</u>

(PURITY X GERMINATION = PLS) * Broadcast Only 8 lb/Acre PLS

3. ✓ THE TOP 6 INCHES OF SOIL WILL BE SALVAGED, STOCKPILED, AND STABILIZED ON THE _____ SIDE/CORNER OF THE WELL PAD AND/OR IN THE "L" CORNER OF THE WELL PAD AND RESERVE PIT FOR USE IN REVEGETATING THE SITE.
SAVE Topsoil where available

4. NA UPON ABANDONMENT, THE WELL PAD WILL BE FENCED WITH A STANDARD FIVE-STRAND BARB WIRE FENCE, OR EQUIVALENT AND WILL HAVE NO GATES. THE FENCE WILL BE MAINTAINED FOR TWO YEARS TO ALLOW FOR SEEDING ESTABLISHMENT AND WILL THEN BE REMOVED.

5. ACCESS ROADS NOT NEEDED FOR THROUGH TRAFFIC WILL BE BARRICADED AND RESEDED IN ACCORDANCE WITH #2. WATER BARS WILL BE CONSTRUCTED TO THE FOLLOWING SPECIFICATIONS.

<u>% SLOPE</u>	<u>SLOPE DISTANCE</u>
1 - 5%	200 FEET
5% - 15%	100 FEET
GREATER THAN 15%	50 FEET

6. AN EARTHEN BERM (24 INCHES/FEET HIGH) WILL BE CONSTRUCTED AROUND THE PERIMETER OF THE WELL PAD, EXCEPT ON THE HIGH/CUT SIDE OF THE WELL PAD.
7. THE RESERVE PIT WILL BE LINED TO PREVENT SEEPAGE FROM OCCURRING.
8. *NA* THE RESERVE PIT WILL BE CONSTRUCTED LONG AND NARROW (X FEET) SO THAT THE PIT CAN BE ACCOMODATED AND ANY POTENTIAL HAZARDS REDUCED OR ELIMINATED.
9. *NA* IMMEDIATELY FOLLOWING DRILLING, THE FLUIDS OF THE RESERVE PIT WILL BE PUMPED AND DISPOSED OF PER BLM INSTRUCTIONS. A SUNDRY NOTICE FOR THIS ACTION IS REQUIRED BY BLM.
10. *NA* DIVERSION DITCH (ES) WILL BE CONSTRUCTED ON THE SIDE OF THE WELL PAD ABOVE/BELOW (CIRCLE ONE) THE CUT SLOPE DIVERTING ANY RUNOFF TO THE .
11. THE WASH (~~ES~~) WILL BE DIVERTED AROUND THE W SIDE OF THE WELL PAD.
12. CULVERT(S) OF SUFFICIENT SIZE WILL BE PLACED ON ALL DRAINAGE CROSSINGS OF THE ACCESS ROAD DETERMINED NECESSARY DURING THE ON-SITE INSPECTION.
-
13. *NA* NO PRODUCTION FLOWLINES NOR GAS SALES LINES WILL BE CONSTRUCTED UNTIL THEIR RIGHT-OF-WAYS/EASEMENTS ARE INSPECTED AND APPROVED BY THE SURFACE MANAGEMENT AGENCY.
14. *NA* ANY FLOWLINE(S) (SURFACE/SUBSURFACE) WILL BE CONSTRUCTED PARALLELING NEW AND EXISTING ROAD RIGHT-OF-WAYS, EXCEPT .
-
15. *NA* THE TOP INCHES OF SOIL OF ANY SUBSURFACE FLOWLINE CONSTRUCTED WILL BE ROLLED/SCRAPED TO ONE SIDE OF THE BLADED LINE AND WILL BE DISTURBED AS LITTLE AS POSSIBLE DURING THE ACTUAL CONSTRUCTION. IMMEDIATELY FOLLOWING INSTALLATION, THE ROLL OF TOPSOIL SALVAGED WILL BE REDISTRIBUTED OVER THE BLADED LINE AND WILL BE RESEDED IN ACCORDANCE WITH ITEM #2. IN ADDITION TO THIS, ALL AREAS DISTURBED (INCLUDING THE REPLACED TOPSOIL) WILL BE IMPRINTED WITH A LAND IMPRINTER OR SHEEP'S FOOT TYPE ROLLER TO CREATE A PATTERN OF SMALL DEPRESSIONS TO ENHANCE VEGETATIVE REGROWTH. ALL DRAINAGES CROSSED BY THESE LINE(S) WILL BE RESTORED, AS NEAR AS POSSIBLE, TO THEIR ORIGINAL FORM. WATER BARS WILL BE CONSTRUCTED IN ACCORDANCE WITH ITEM #5.

16. NA FENCE (S) ~~CROSSED BY THE ACCESS ROAD WILL BE BRACED AND TIED OFF BEFORE CUTTING OF THE WIRES TO PREVENT SLACKENING OF THE FENCE LINES. BOTH A GATE AND CATTLEGUARD WHICH MUST BE BIA APPROVED WILL BE INSTALLED.~~
17. STORAGE TANK(S) INSTALLED ON THE LOCATION WILL BE SURROUNDED BY A DIKE OF SUFFICIENT CAPACITY TO CONTAIN 1-1/2 TIMES THE STORAGE CAPACITY OF THE TANK(S).
18. THE STIPULATIONS SET FORTH IN THE ARCHEOLOGICAL CLEARANCE LETTER DATED 12/12/91 WILL BE STRICTLY ADHERED TO. CLEARANCE NO. HPD-91-565
19. UPON ABANDONMENT, ALL MATERIAL BROUGHT IN TO FLAT THE SURFACE OF THE WELL PAD AND/OR THE ACCESS ROAD WILL BE CLEANED UP AND DISPOSED OF PRIOR TO RESEEDING.
20. NA THE CONSTRUCTION WORK CONDUCTED AT THIS LOCATION WILL NEED TO BE INSPECTED BEFORE THE DRILL RIG IS MOVED ON THE LOCATION.

ALL CHANGES/DEVIATIONS MADE FROM THE APPROVED APD MUST BE CLEARED AND APPROVED BY THE SURFACE MANAGEMENT AGENCY. THE SURFACE MANAGEMENT AGENCY CAN BE CONTACTED AT (505) 368-4427.

OTHER:



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

September 7, 1993

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

SEP 10 1993

DIVISION OF
OIL, GAS & MINING

Attn: Mr. R.J. Firth
Associate Director

RE: Utah Division of Oil, Gas and Mining's
Reporting Requirements

Dear Mr. Firth:

Enclosed please find the following reports and well logs run on wells drilled by Chuska Energy Company during the period January 1, 1992 forward. The Production Reports were filed in June under a separate cover letter by our home office, Harken Energy Company, out of Dallas. We have received conflicting statements as to whether or not the data was received. Therefore, a second set of Production reports from January 1992 forward are also forwarded to your office under this cover letter.

APD(S), SUNDRY NOTICES AND ENTITY ACTION FORMS

Barnes 18M
Barnes 18M(N)
Brown Hogan 1A-2
Burro 33I
Clay Hill 33-0
Crane 35H
Copperhead 15E
D.C. Anticline 35K
Heron 35H
Heron 35H(A)
Jack 31G
Kokopelli 29I
Lark 19B
Lark 19B(G)
Lighting Rock 2E
Lizard 4M
Lone Mountain Creek 12F-1

Monument 17E-2
Mule 31K
Mule 31K(N)
Mule 31M
NW Cajon 1I-1
North Heron 35C
Northwest Cajon 6E
North Cajon Mesa 5E-1
North Ruins 16K
Red Lake 25B
Tower 1F
Box Canyon 5F
Shalene 11K
South Triangle 7I
West Clay Hill 5B(A)

RECEIVED

SEP 10 1993

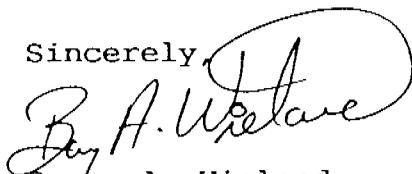
DIVISION OF
OIL, GAS & MINING

LOGS

Barnes 18M(N)
Brown Hogan 1A-2
Burro 33I
Clay Hill 33-0
Copperhead 15E
D.C. Anticline 35K
Heron 35H
Jack 31G
Kokopelli 29I
Lark 19B(G)
Lighting Rock 2E
Lone Mountain Creek 12F-1
Mule 31K(N)
Mule 31M
North Cajon Mesa 5E-1
North Heron 35C
N.W. Cajon 1I-1
N.W. Cajon 6E
Red Lake 25B
West Clay Hill 5B(A)

If you should have any further questions, please don't hesitate to contact me, or Nell Lindenmeyer, at 505-326-5525.

Sincerely,



Barry A. Wieland
Operations Manager

Enclosures

cc: Well File



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

IN REPLY REFER TO:
3162.3-4 (019)
14-20-603-248



SEP. 10 1992

Chuska Energy Company
3315 Bloomfield Highway
Farmington, NM 87401

Dear Sir:

The following surface rehabilitation stipulations must be complied with as applicable. before the 25B Red Lake well located 715' FNL/ 1900' FEL, Sec. 25, T. 41 S., R. 23 E., lease no. 14-20-603-248 can be approved for final abandonment (see 43 CFR 3162.3-4).

1. A permanent monument must be cemented in the wellbore. It must be labeled with the operators name, well name and number, legal location, and lease number (see 43 CFR 3162.6).
2. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
3. Any oily soil or fluids must be properly disposed of in an approved disposal area.
4. Pits must be filled in and the edges of the pads shaped to conform to the natural terrain.
5. Pads must be leveled, dressed up by a maintainer, ripped and disked.
6. Access roads must be leveled, waterbarred, disked and blocked off with earthen berms at the junction with the main road and at the entrance to the well pad. Waterbars should be spaced as shown below.

<u>% Slope</u>	<u>Spacing Interval</u>
Less than 2%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

All waterbars should divert water to the downhill side of the road.

7. All disturbed areas will be seeded between July 1 and Sept. 15 with the prescribed seed mix. (Reseeding may be required).

8. Notify Surface Managing Agency seven (7) days prior to seeding so they may be present for that operation.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA'S. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

If the rehabilitation stipulations have been completed, please sign below and return this letter to:

Farmington Environmental Protection Staff
1235 La Plata Highway
Farmington, NM 87401

If the surface restoration has not yet been completed, notify us by Sundry Notice upon completion. We will schedule an inspection to check the well site after we receive notice from you that the vegetation has become established.

If you have any questions, please contact the Environmental Protection Staff at (505) 327-5344.

Sincerely,

Don Ellsworth
for Mike Pool
Area Manager

The above mentioned well has been abandoned and the required surface restoration stipulations completed.

Signed

Date

ENTITY ACTION FORM - FORM 6

OPERATOR CHUSKA ENERGY COMPANY

ADDRESS 3315 Bloomfield Hwy

Farmington, NM 87401

OPERATOR ACCT. NO. N 9290

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11575	43-037- 70010 ³¹⁷²²	Red Lake 25B		25	415	23E	San Juan	8-7-92	
WELL 1 COMMENTS: <i>Entity added 11-3-93. jec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

SEP 10 1993

Signature _____

Title _____

Date _____

Phone No. () _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

Lease Designation and Field No.

BIA 14-20-003-248

If Indian, Allotment or Tribal Name

Navajo Tribal

7. If Unit or CA, Agreement Designator:

N/A

8. Well Name and No.

Red Lake 25B

9. API Well No.

43-037-31722

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Chuska Energy Company

3. Address and Telephone No.
 3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 715' FNL 1900' FEL
 Section 25-41S-23E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other (Specify)
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all horizons and zones pertinent to this work.)

Larry A. Chambers notified Wayne Townsend, BLM, on 8-7-92 @ 11:00 AM of intent to spud Red Lake 25B with Aztec Rig #222 and to T.D. surface csg @ 420' +/-, (instead of original intent of setting surface csg @ 520' +/-) and cement 8 5/8" surface csg w/275 sxs Class 'G' cement. Approximate spud date, 10:00 AM, 8-8-92, and cement surface csg @ 4:00 AM, 8-9-92.

CONFIDENTIAL

RECEIVED
BLM
92 AUG 13 PM 3:55
019 FARMINGTON, N.M.

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

Signed Larry A. Chambers

Title Operations Engineer

Date 8-12-92

(This space for Federal or State office use)

Approved by _____

Title _____

ACCEPTED FOR RECORD

Conditions of approval, if any:

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

*See instruction on Reverse Side

FARMINGTON RESOURCE AREA

OPERATOR

BY

SM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

3. Lease Designation and Serial No.

BIA 14-20-603-248

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designator

N/A

8. Well Name and No.

Red Lake 25B

9. API Well No.

43-037-31722

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

715' FNL 1900' FEL
Section 25-41S-23E

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion or Completion or Recompletion Report and Log)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all intervals and zones pertinent to this work.)

Larry A. Chambers notified Wayne Townsend, BLM, on 8-7-92 @ 11:00 AM of intent to spud Red Lake 25B with Aztec Rig #222 and to T.D. surface csg @ 420' +/-, (instead of original intent of setting surface csg @ 520' +/-) and cement 8 5/8" surface csg w/275 sxs Class 'G' cement. Approximate spud date, 10:00 AM, 8-8-92, and cement surface csg @ 4:00 AM, 8-9-92.

SFP 10 1993

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

Signed Larry A. Chambers

Title Operations Engineer

Date 8-12-92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

*See instruction on Reverse Side

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

6. Lease Designation and Serial Number

RIA 14-20-603-248

7. Indian Allottee or Tribe Name

NAVAJO TRIBAL

8. Unit or Communitization Agreement

N/A

9. Well Name and Number

Red Lake 25 B

10. API Well Number

43-037-31722

11. Field and Pool, or Wildcat

Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well

Oil Well Gas Well Other (specify)

2. Name of Operator

Chuska Energy Company

3. Address of Operator

3315 Bloomfield Highway, Farmington, N.M. 87401

4. Telephone Number

505-326-5525

5. Location of Well

Footage : 715' FNL, 1900' FEL

County : San Juan

QQ, Sec. T., R., M. : Sec. 25, T41S, R23E

State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Spud</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

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

Larry A. Chambers notified Wayne Townsend, BLM, on 8-7-92 @ 11:00 A.M. of intent to spud Red Lake 25B with Aztec Rig #222 and to T.D. surface casing @ 420' +/-, (instead of original intent of setting surface casing @ 520' +/-) and cement 8 5/8" surface casing w/275 sxs Class 'G' cement. Approximate spud date, 10:00 A.M., 8-8-92, and cement surface casing @ 4:00 A.M., 8-9-92.

SEP 10 1993

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

Name & Signature

BARRY A. WIELAND

Title OPERATIONS MANAGER

Date 5-26-93

(State Use Only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Form No. 1004-0115
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Lease Designation and Serial No.

BLA 14-20-603-248

6. If Indian, Allotment or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Red Lake 25B

9. API Well No.

43-037-31722

10. Field and Pool, or Expiratory Area

Wildcat

11. County or Parish, State

San Juan County, Uta

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Postage, Sec., T., R., M., or Survey Description)

715' FNL 1900' FEL
Section 25-41S-23E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altered Casing
	<input checked="" type="checkbox"/> Spud/Cement Surf Csg
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths of all markers and zones pertinent to this work.)

MIRU Aztec Rig #222. Spudded 12 1/4" surface hole at 1530 hrs, 8-8-92. Drill to 450' and RU and run 10 jts 8 5/8, 24.0, J-55 LT&C csg. Land @ 446' KB. Cemented w/275 sxs Class 'B' + 2% CaCl2 + 1/4# sx celloflake. Circulate 70 sxs cement slurry to surface. Plug down @ 0300 hrs, 8-9-92.

SEP 10 1992

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

Signature Yancy A. Chamberlain

Title Operations Engineer

Date 8-12-92

(This space for Federal or State office use)

Approved by _____ Title _____

Conditions of approval, if any:

Date _____

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

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

3. Well Designation and Serial No.
LA 14-20-603-248
4. Indian, Allottee or Tribe Name

Navajo Tribal

SUBMIT IN TRIPLICATE

7. If Unit or CA. Agreement Designated

N/A

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

Red Lake 25B

2. Name of Operator

Chuska Energy Company

9. API Well No.

43-037-31722

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

10. Field and Pool, or Exploratory Area

Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

715' FNL 1900' FEL
Section 25-41S-23E

11. County or Parish, State

San Juan County, Uta.

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altered Casing
	<input checked="" type="checkbox"/> Spud/Cement Surf Csg
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion or Completion or Recompletion Report and Log

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including pertinent dates, including estimated date of starting any proposed work, if well is directionally give subsurface locations and measured and true vertical depths, and markers and zones pertinent to this work.)

MIRU Aztec Rig #222. Spudded 12 1/4" surface hole at 1530 hrs, 8-8-92. Drill to 450' and RU and run 10 jts 8 5/8, 24.0, J-55 LT&C csg. Land @ 446' KB. Cemented w/275 sxs Class 'B' + 2% CaCl2 + 1/4# sx cellophane. Circulate 70 sxs cement slurry to surface. Plug down @ 0300 hrs, 8-9-92.

CONFIDENTIAL

RECEIVED
BLM
AUG 13 PM 3:54
FARMINGTON, N.M.

SEP 10 1992

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

Signal

Yang A. Chamberlain

Title Operations Engineer

Date 8-12-92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

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

*See instruction on Reverse Side

OPERATOR

FARMINGTON RESOURCE AREA
BY *Sm*

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

6. Lease Designation and Serial Number BTA 14-20-603-248
7. Indian Allottee or Tribe Name NAVAJO TRIBAL
8. Unit or Communitization Agreement N/A
9. Well Name and Number Red Lake 25 B
10. API Well Number 43-037-31722
11. Field and Pool, or Wildcat Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for each proposal.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Chuska Energy Company	
3. Address of Operator 3315 Bloomfield Highway, Farmington, N.M. 87401	
4. Telephone Number 505-326-5525	5. Location of Well Footage : 715' FNL, 1900' FEL OO. Sec. T., R., M. : Sec. 25, T41S, R23E
County : San Juan State : UTAH	

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Spud/Cement Surface Casing</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____	Date of Work Completion _____
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.	

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

MIRU Aztec Rig #222. Spudded 12 1/4" surface hole at 1530 hrs. 8-8-92. Drill to 450' and RU and run 10 jts 8 5/8", 24.0, J-55 LT&C csg. Land @ 446' KB. Cemented w/275 sxs Class 'B' + 2% CaCl2 + 1/4# sx Celloflake. Circulate 70 sxs cement slurry to surface. Plug down @ 0300 hrs., 8-9-92.

SEP 10 1993

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

Name & Signature B. A. Wieland BARRY A. WIELAND Title OPERATIONS MANAGER Date 5-26-93

(State Use Only)

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

6. Lease Designation and Serial Number
BIA 14-20-603-248

7. Indian Allottee or Tribe Name
Navajo Tribal

8. Unit or Communitization Agreement
N/A

9. Well Name and Number
Red Lake 25 B

10. API Well Number
43-037-31722

11. Field and Pool, or Wildcat
Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well
 Oil Well Gas Well Other (specify) P & A

2. Name of Operator
Chuska Energy Company

3. Address of Operator
3315 Bloomfield Highway, Farmington, N.M. 87401

4. Telephone Number
505-326-5525

5. Location of Well
Footage : 714' FNL, 1900' FEL
County : San Juan
OO, Sec. T., R., M. : Sec. 25, T41S, R23E
State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

Abandonment New Construction
 Casing Repair Pull or Alter Casing
 Change of Plans Recompletion
 Conversion to Injection Shoot or Acidize
 Fracture Treat Vent or Flare
 Multiple Completion Water Shut-Off
 Other _____ P & A

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

Abandonment * New Construction
 Casing Repair Pull or Alter Casing
 Change of Plans Shoot or Acidize
 Conversion to Injection Vent or Flare
 Fracture Treat Water Shut-Off
 Other _____

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

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

Larry A. Chambers, Chuska Energy Company, notified and reviewed P&A program for Red Lake 25B well and received verbal approval from Wayne Townsend, BLM, at 6:30 P.M., 8-20-92. Plugging operations to begin at 11:00 P.M., 8-20-92. Plugs as follows:

PLUG	DEPTH	VOL., FT3	SXS	EC	FORMATION
1	5235'-5670'	125	210	100	Akah, DC, Ismay
2	4390-4490'	55	95	100	Hermosa
3	2500'-2600'	160	135	100	DeChelly
4	1380'-1480'	90	76	100	Chinle
5	400'- 630'	300	300	100	Navajo & Surf. Csg. Shoe
6	0'- 50'	20	25	50	Surface

All plugs pumped will be Class 'B' neat cement (1.18 yield). Rig contractor is Aztec Well Service, Rig #222, with Halliburton as cement contractor.

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

Name & Signature *B. A. Wieland* BARRY A. WIELAND Title OPERATIONS MANAGER Date 5-26-93

(State Use Only)

SEP 10 1993

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

FORM APPROVED
Budget Bureau No. 2004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
BIA 14-20-603-248

6. If Indian, Allottee or Tribe Name
Navajo Tribal

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

N/A

1. Type of Well
 Oil Well Gas Well Other P&A

SEP 10 1993

8. Well Name and No.
Red Lake 25B

2. Name of Operator
Chuska Energy Company

9. API Well No.
42-037-31722

3. Address and Telephone No.
3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

10. Field and Pool, or Exploratory Area
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**715' FNL & 1900' FEL
Section 25-41S-23E**

11. County or Parish, State
San Juan, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Re-completion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other P&A
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on W: Completion or Re-completion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Larry A. Chambers, Chuska Energy Company, notified and reviewed P&A program for Red Lake 25B well and received verbal approval from Wayne Townsend, BLM, at 6:30 pm, 8-20-92. Plugging operations to begin at 11:00 pm, 8-20-92. Plugs as follows:

PLUG	DEPTH	VOL., FT3	SXS	EC	FORMATION
1	5235-5670	125	210	100	Akah, DC, Ismay
2	4390-4490	55	95	100	Hermosa
3	2500-2600	160	135	100	DeChelly
4	1380-1480	90	76	100	Chinley
5	400-630	300	300	100	Navajo & Surf Csg Shoe
6	0-50	20	25	50	Surface

All plugs pumped will be Class 'B' neat cement (1.18 yield). Rig contractor is Aztec Well Service, Rig #222, with Haliburton as cement contractor.

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

Signed *D. H. White*

Title Operations Manager

Date 8-21-92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUMMARY NOTICES AND REPORTS ON WELLS

82 AUG 27 PM 2:04

5. Lease Designation and Serial No.

BIA 14-20-603-248

6. If Indian, Allottee or Tribe Name

Navajo Tribal

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other P&A

SEP 10 1993

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

715' FNL & 1900' FEL
Section 25-41S-23E

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Red Lake 25B

9. API Well No.

43-037-31722

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recombination
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other P&A
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on well Completion or Recombination Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Larry A. Chambers, Chuska Energy Company, notified and reviewed P&A program for Red Lake 25B well and received verbal approval from Wayne Townsend, BLM, at 6:30 pm, 8-20-92. Plugging operations to begin at 11:00 pm, 8-20-92. Plugs as follows:

PLUG	DEPTH	VOL., FT3	SXS	EC	FORMATION
1	5235-5670	125	210	100	Akah, DC, Ismay
2	4390-4490	55	95	100	Hermosa
3	2500-2600	160	135	100	DeChelly
4	1380-1480	90	76	100	Chinley
5	400-630	300	300	100	Navajo & Surf Csg Shoe
6	0-50	20	25	50	Surface

All plugs pumped will be Class 'B' neat cement (1.18 yield). Rig contractor is Aztec Well Service, Rig #222, with Haliburton as cement contractor.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signature: *Doug H. ...*

Title: Operations Manager

Date: 8-21-92

(This space for Federal or State office use)

Approved by: _____

Title: _____

APPROVED

AUG 28 1992

AREA MANAGER

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

*See Instruction on Reverse Side

OPERATOR

IN REPLY REFER TO
(019)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

SEP 10 1993

Well: 25B Red Lake

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

Office Hours: 7:45 a.m. to 4:30 p.m.

SEP 10 1993

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA**

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl₂ is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).
5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perms—unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.
 - 5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.
6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.
7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

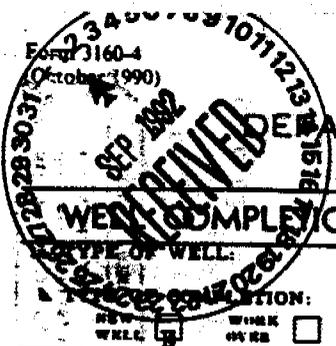
All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

SEP 10 1996



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FOR APPROVED OMB NO 1004-013 Expires December 31, 1991. 1. LEASE DESIGNATION AND SERIAL NO. BIA 14-20-603-248. 2. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal. 3. PERMIT AGREEMENT NAME N/A. 4. NAME OR LEASE NAME, WELL NO. Red Lake 25B. 5. API WELL NO. 10. FIELD AND POOL, OR WILDCAT Wildcat. 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA S25-T41S-R23E. 12. COUNTY OR PARISH San Juan. 13. STATE Utah.

COMPLETION OR RECOMPLETION REPORT AND LOG. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [] Other [X] 92 AUG 27 PM 2:06. 1. WELL IDENTIFICATION: NEW WELL [] WORK OVER [] DRILL [] RE-DRILL [] DIFF. DRILL [] Other [] 019 FARMINGTON

2. NAME OF OPERATOR Chuska Energy Company. 3. ADDRESS AND TELEPHONE NO. 3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 715' FNL 1900' -FEL. At top prod. interval reported below. At total depth SAME.

14. PERMIT NO. 43-037-31722. DATE ISSUED.

15. DATE SPUDDED 8-8-92. 16. DATE T.D. REACHED 8-19-92. 17. DATE COMPL. (Ready to prod.) P&A. 18. ELEVATIONS (DF, RKB, ST, GR, ETC.) 4745' GR 4758' KB. 19. SLEV. CASINGHEAD. 20. TOTAL DEPTH, MD & TVD 5671' MD. 21. PLUG. BACK T.D., MD & TVD P&A, Surface. 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY ROTARY TOOLS Yes. CABLE TOOLS No. 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) None. 25. WAS DIRECTIONAL SURVEY MADE Yes.

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/MSFL/GR/CAL CNL/FDC/LDT/GR/CAL BHC/CAL SBL/CLL/GR. 27. WAS WELL CORED Yes.

28. CASING RECORD (Record all strings set in well). Table with columns: CASING SIZE GRADE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, TOP OF CEMENT, CEMENTING RECORD, AMOUNT PULLED. Row 1: 8 5/8, 24.0, 446, 1/4, 275 sx Cl 'B' & additives circulate 70 sxs to surface.

29. LINER RECORD. Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD). 30. TUBING RECORD. Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD).

31. PERFORATION RECORD (Interval, size and number). 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED.

33. PRODUCTION. Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL, GAS-MCF, WATER-BBL, GAS-OIL RATIO, FLOW-TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL, GAS-MCF, WATER-BBL, OIL GRAVITY-API (CORR.). 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.). TEST WITNESSED BY.

35. LIST OF ATTACHMENTS. 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available sources. SIGNED: [Signature] TITLE: Operations Manager. DATE: 8-21-92.

ACCEPTED FOR RECORD DATE 8-21-92

*(See Instructions and Spaces for Additional Data on Reverse Side) AUG 31 1992

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
	5483	5543	Recover 56'. Desert Creek.	Navajo	576'	
	5543	5603	Recover 60'. Desert Creek.	Chinle	1430'	
				DeChelly	2552'	
				Organ Rock	2739'	
				Hermosa	4437'	
				U. I.	5284'	
				Hovenweep	5401'	
				L. I.	5403'	
				Gothic Shale	5436'	
				Desert Creek	5453'	
				Chimney Rock	5615'	
				Akiah	5634'	

EXCESS

100
100
100
100
100
100
50

210
95
135
85
240
40
33

SX

depth 5235-5656
7378-4478
2514-2614
2392-1492
400-625
0-50'

EXCESS
100
100
100
100
100
50

All cement plugs were mixed and pumped
at 15.6 ppg w/ 9.8 ppg spacer mud.

SEP 10 1993



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. LEASE DESIGNATION AND SERIAL NO.
BIA 14-20-603-248

6. IF INDIAN ALLOTTEE OR TRIBE NAME
NAVAJO TRIBAL

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME

9. WELL NO.
Red Lake 25 B

10. FIELD AND POOL OR WILDCAT
Wildcat

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec. 25, T41S, R23E

14. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

15. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RECVL. Other _____

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
3315 Bloomfield Highway, Farmington, N.M. 87401 505-326-5525

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
715' FNL, 1900' FEL
At top prod. interval reported below
Same
At total depth

14. API NO. 43-037-31724 DATE ISSUED _____

12. COUNTY San Juan 13. STATE Utah

16. DATE SPUNDED 8-8-92 18. DATE T.D. REACHED 8-19-92 17. DATE COMPL. (Specify in prod.) P & A 8/26/92 (P&A) 18. ELEVATIONS (DF, RES. ST, CR, ETC.) 4745' GR 4758' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5671' MD 21. PLUG BACK T.D., MD & TVD P&A 22. IF MULTIPLE COMPL. HOW MANY --- 23. INTERVALS DRILLED BY --- 24. ROTARY TOOLS Rotary 25. CABLE TOOLS No

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) _____ 27. WAS DIRECTIONAL SURVEY MADE Yes

28. TYPE ELECTRIC AND OTHER LOGS AND DLL/MSFL/GR/CAL CNL/FDC/LDT/GR/CAL BHC/CAL CRL/CLL/GR 29. WAS WELL CORED YES NO 30. DRILL STEM TEST YES NO 31. YES

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
8 5/8"	24.0	446	12 1/4	275 sx Cl 'B' & additives	Circulate 70 sxs to surface.

33. LINER RECORD 34. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

35. PREPARATION RECORD (Interval, size and number) _____

SEP 10 1993

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

37. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or Shut-in)

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD. FOR TEST PERIOD	OIL—BBL	GAS—SCF	WATER—BBL	GAS-OIL RATIO

38. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____

39. LIST OF ATTACHMENTS _____

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

SIGNED [Signature] TITLE OPERATIONS MANAGER DATE 5-26-93

BARRY A. WIELAND

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instructions for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES

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

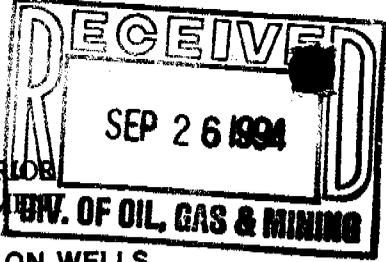
Formation	Top	Bottom	Description, contents, etc.
Core #1	5483	5543	Recover 56'. Desert Creek
Core #2	5543	5603	Recover 60'. Desert Creek
P&A PLUGS:			
No. Depth	Ft3	SX	%Excess
1	5235-5656	250	100
2	4378-4478	112	100
3	2514-2614	160	100
4	1392-1492	100	100
5	400-625	285	100
6	0-60	40	50

*All cement plugs were mixed pumped @ 15.6 ppg w/ 9.8 ppg spacer mud.

38. GEOLOGIC MARKERS

Name	Meas. Depth	True Vert. Depth
Navajo	576'	
Chinle	1430'	
DeChelly	2552'	
Organ Rock	2739'	
Hermosa	4437'	
U.I.	5284'	
Hovenweep	5401'	
L.I.	5403'	
Gothic Shale	5436'	
Desert Creek	5453'	
Chimney Rock	5615'	
Akah	5634'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
BIA 14 20 603 248

6. If Indian, Allottee or Tribe Name
Navajo Tribal

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Red Lake 25B

9. API Well No.
43-037-31722

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other P&A

2. Name of Operator
Harken Southwest Corporation

3. Address and Telephone No.
P. O. Drawer 612007 - Dallas, TX 75261 (817) 695-4900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
715' FNL & 1900' FEL Section 25-41S-23E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Reclamation</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Harken Southwest has filled in the reserve pit and restored the surface areas disturbed during drilling operations on the subject location.

Please be advised final reclamation and reseeding is scheduled for Wednesday, September 28, 1994.

CC: BIA
Navajo Nation
State of Utah

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

I hereby certify that the foregoing is true and correct
 Signature: R. Montgomery /R. Montgomery Title: Production Administrator Date: 9/22/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

10/22/93

DETAILED WELL DATA

api num: 43-037-31722

prod zone:

sec twshp

menu: opt 00

entity:

25 415

range qr-qr

well name: Red Lake 25B

23E NWNNE

operator: CHUSKA ENERGY COMPANY

meridian:

field: Wildcat

confidential flag: — confidential expires:

alt addr flag:

*** application to drill, deepen, or plug back ***

lease number: BIA 14-20-603-248

lease type: 2

well type: OW

surface loc: 715 FNL 1900 FEL

unit name:

prod zone loc: " "

depth: 5808

proposed zone: IS-DC

elevation: 4745 GR

apd date: 3-18-92

auth code: 649-3-2

*** completion information ***

date recd:

la/pa date:

spud date:

compl date:

total depth:

producing intervals:

bottom hole:

first prod:

well status:

24hr oil:

24hr gas:

24hr water:

gas/oil ratio:

*** well comments:

api gravity:

BLM APD Approval Date Used

opt: 21 api:

zone:

date(yymm):

enty

acct: