

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  FILE  WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

920731 Cockrell to PG&E Resources eff. 7-1-92:

DATE FILED **10-29-90**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-65949** INDIAN

DRILLING APPROVED: **11-21-90 (Exception Location)**

SPUDDED IN:

COMPLETED: **10-6-92 LA** PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LA'D Per Oper. eff. 10-6-92**

FIELD: **WILDCAT**

UNIT:

COUNTY: **CARBON**

WELL NO. **1210-2404 #1** API NO. **43-007-30127**

LOCATION **1170' FNL** FT. FROM (N) (S) LINE. **1170' FWL** FT. FROM (E) (W) LINE. **NW NW** 1/4 - 1/4 SEC. **24**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				12S	10E	24	PG&E Resources Co. <del>COCKRELL OIL CORPORATION</del>

DME  
10-9-92

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
 Cockrell Oil Corporation

3. ADDRESS OF OPERATOR  
 1600 Smith Street, Suite 4600, Houston, Texas 77002-7348

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1170' FNL, 1170' FWL (SE $\frac{1}{4}$ NW $\frac{1}{4}$ ) 24-12S-10E  
 At proposed prod. zone  
 Same As Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately Ten (10) Miles Northeast of Helper, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1170'

16. NO. OF ACRES IN LEASE  
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 5344.68'

19. PROPOSED DEPTH  
 4250' MVRD

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 7839' GR

22. APPROX. DATE WORK WILL START\*  
 November 1, 1990

5. LEASE DESIGNATION AND SERIAL NO.  
 UTU-65949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Not Applicable

7. UNIT AGREEMENT NAME  
 Not Applicable

8. FARM OR LEASE NAME  
 1210-2404

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 24, T12S, R10E

12. COUNTY OR PARISH  
 Carbon

13. STATE  
 Utah

RECEIVED  
 OCT 29 1990

DIVISION OF  
 OIL, GAS & MINING

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" WC-50	23.0#	0-400'	320 sx Circulated to Surface *
7-7/8"	5-1/2" WC-50	17.0#	0-4250'	450 sx Cement

\* Cement volumes may change due to hole size.  
 Calculate from Caliper log.

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that Cockrell Oil Corporation is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the 1210-2404 #1, Federal Lease # UTU-65949. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Cockrell Oil Corporation, Statewide Bond # UT-0794, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application for Permit to Drill.

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.

24. SIGNED Felder Hollenshead TITLE Vice-President DATE 10/15/90

(This space for Federal or State office use)

PERMIT NO. 43-007-30107 APPROVAL DATE \_\_\_\_\_

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

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

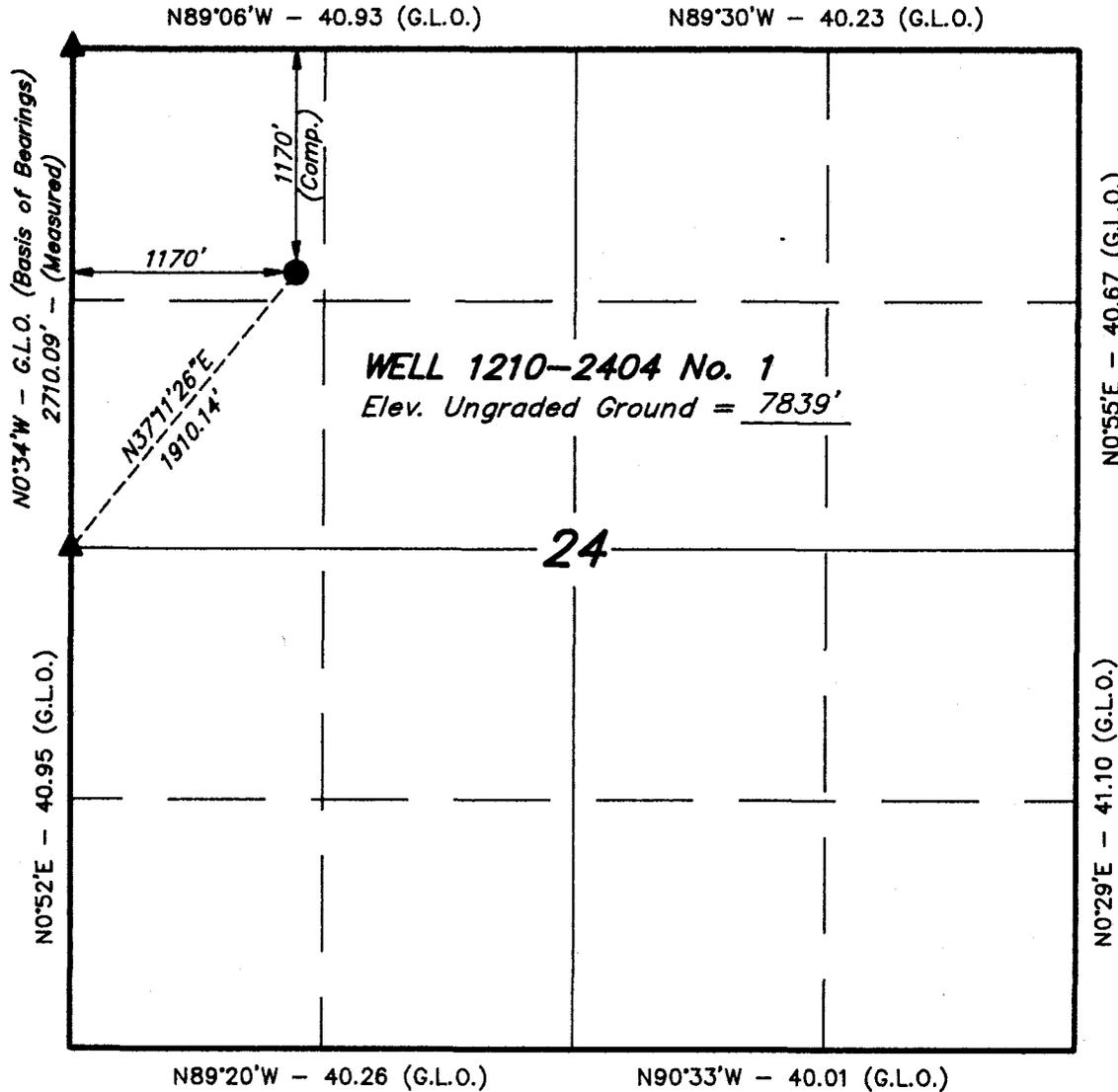
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 DATE: 10/21/90  
 BY: [Signature]  
 WELL SPACING: 2015-3-3

\*See Instructions On Reverse Side

# T12S, R10E, S.L.B.&M.

## COCKRELL OIL CORP.

Well location 1210-2404 No. 1, located as Shown in the NW 1/4 NW 1/4 of Section 24, T12S, R10W, S.L.B.&M. Carbon County, Utah.



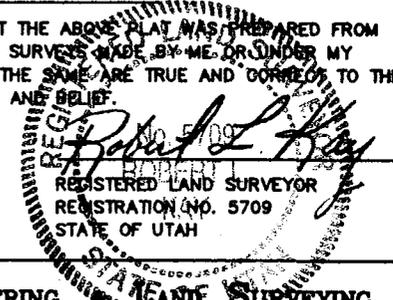
### BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP IN THE SW 1/4 NE 1/4 OF SECTION 11, T12S, R10E, S.L.B.&M. TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP). PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7282 FEET.



### CERTIFICATE

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



REVISED: 10-15-90

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX 1758 - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 8-20-90
PARTY R.L.K. L.D.T. J.T.K. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COCKRELL OIL CORP.

▲ = SECTION CORNERS LOCATED. (Brass Caps)

COCKRELL OIL CORPORATION  
Lease #UTU-65949, 1210-2404 #1  
NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 24, T12S, R10E  
Carbon County, Utah

Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

North Horn	Surface	Blackhawk	2950'
Price River	2190'	Starpoint	3640'
Castlegate	2640'	Total Depth	4250'

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

Blackhawk	2950'	Gas (Primary Objective)
Starpoint	3640'	Gas (Primary Objective)

Any shallow water zones encountered will be adequately protected and reported; none anticipated. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment: (Schematic Attached)

A. Type: 9-10" Double Gate Hydraulic.

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Kill line (2-inch minimum).
4. One (1) kill line valve (2-inch minimum).
5. One (1) choke line valve.
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available.
8. Safety valve & subs to fit all drill strings in use.
9. 2-inch (minimum) choke line.
10. Fill-up line above the uppermost preventer.

B. Pressure Rating: 2000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug).

3. Pressure Control Equipment:

C. Testing Procedure: Continued

Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order Number 2.

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Operating Order Number 2.

3. Pressure Control Equipment:

F. Miscellaneous Information: Continued

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

4. The Proposed Casing and Cementing Program: (All New)

A. Casing Program:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth Set</u>
12-1/4"	8-5/8"	23.0#	WC-50	ST&C	0- 400'
7-7/8"	5-1/2"	17.0#	WC-50	LT&C	0-4250'

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Cementing Program:

Surface Casing : Lead with approximately 25 sx Pozmix "A" as scavenger. Tail with approximately 295 sx Premium cement with 2% CaCl<sub>2</sub> + 0.25 #/sx Flocele, circulated to surface with 100% excess.

Production Casing : First Stage, 25 sx Silica HiFill as scavenger followed by 275 sx 50/50 Pozmix with 2% gel, 0.6% Halad 322 + 0.25 #/sx Flocele.

Production Casing : Second Stage, 150 sx Silica HiFill cement circulated to surface.

4. The Proposed Casing and Cementing Program:

B. Cementing Program: Continued

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0- 400'	Air Mist	-----	-----	No Control
400-4250'	Gel/Caustic	8.7-9.1	40-60	10-20 cc's

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. Evaluation Program:

Logs

Dual Induction Guard	:	4250' - 400'
Spectral Density/Dual Spaced Neutron	:	4250' - 400'
High Resolution Spectral Density	:	4250' - 400'
Microlog	:	4250' - 400'

DST's

None Anticipated.

Cores

None anticipated.

Evaluation Program may change at the discretion of the well-site geologist, with prior approval from the Authorized Officer, Moab District Office, Bureau of Land Management, P.O. Box 970, Moab, Utah 84532-0970.

6. Evaluation Program: Continued

Stimulation

No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Whether the well is completed as a dry hole or as a producer, Well Completion and Recompletion Report and Log (Form 3160-4) will be submitted to the Lander Resource Area Office not later than thirty (30) days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164.

Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager, Moab District Office, Bureau of Land Management.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been reported or is known to exist from previous drilling in this area at this depth.

Maximum anticipated bottom hole pressure equals approximately 1,845 psi (calculated at 0.434 psi/foot) and maximum anticipated surface pressure equals approximately 910 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates and Notification of Operations:

A. Anticipated Starting Dates:

Anticipated Commencement Date	:	November 1, 1990
Drilling Days	:	Approximately 14 Days
Completion Days	:	Approximately 5 days

B. Notification of Operations:

The spud date will be reported orally to the Moab District Office, Bureau of Land Management WITHIN 48 HOURS FOLLOWING SPUDDING, unless otherwise required.

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations: Continued

A follow-up report on Form 3160-5 confirming the date of spud will be promptly submitted to the Moab District Office.

All wells, whether drilling, producing, or abandoned shall be identified in accordance with 43 CFR 3162.6. This requires the name of the operator, the lease number, the well number and the location of the well.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the Royalty Management Program, Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217.

Spills, blowouts, fires, leaks, accidents, theft, or any other unusual occurrences will be promptly reported to the Moab District Office in accordance with NTL-3A.

No well abandonment operations will be commenced without the prior approval of the District Manager or his authorized representative. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Notice of Intention to Abandon" (Form 3160-5) will be filed with the District Manager within fifteen (15) days following the granting of oral approval to abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable; Company Name, Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and Federal or Indian Lease Number.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the well bore.

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations: Continued

This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

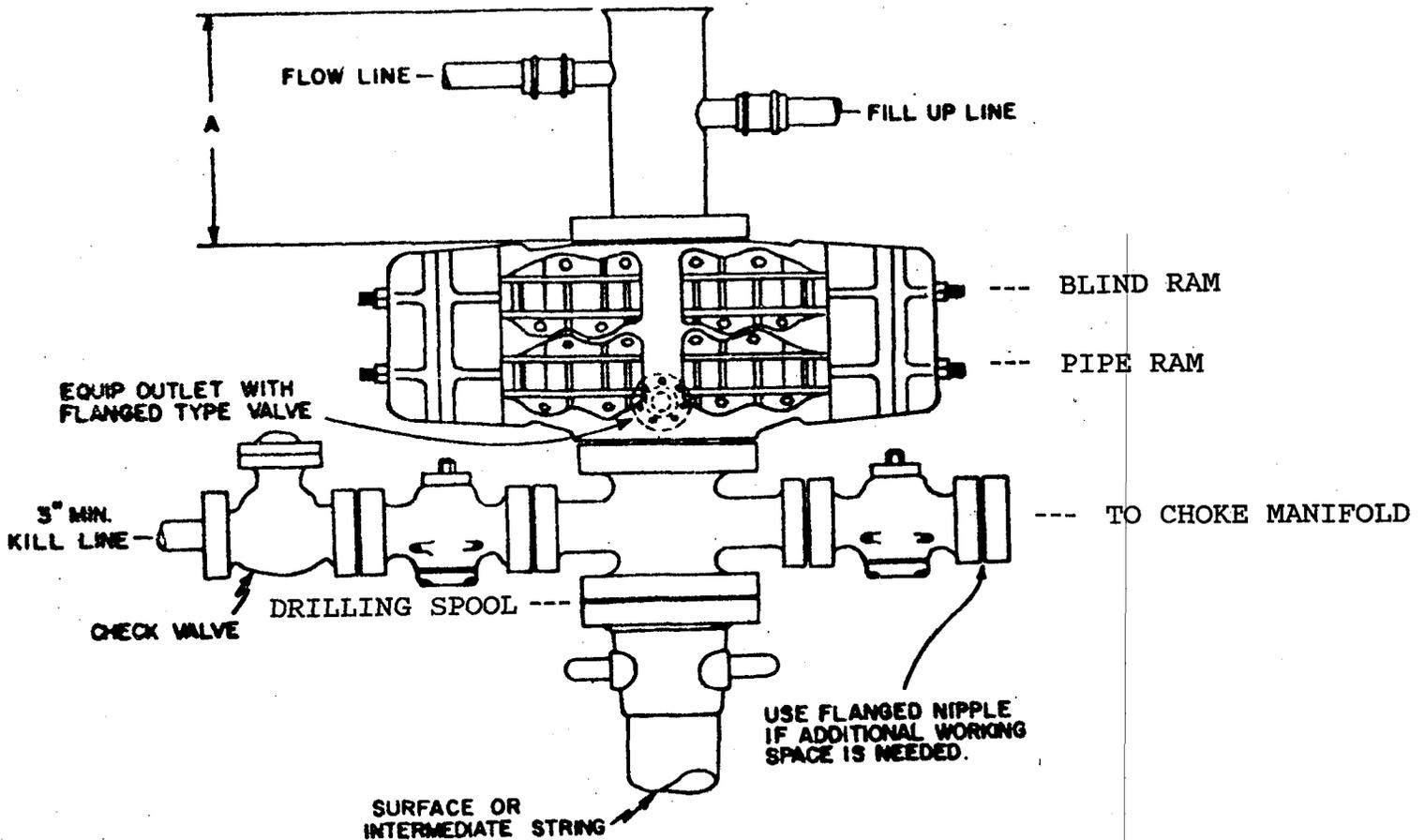
Approval to vent/flare gas during initial well evaluation will be obtained from the Moab District Office. This preliminary approval will not exceed thirty (30) days or fifty (50) MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to the guidelines contained in NTL-4A.

Not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than ninety (90) days, the operator shall notify the Authorized Officer by letter or "Sundry Notice", of the date on which such production has begun or resumed. The notification shall provide as a minimum, the following informational items:

- a. Operator name, address, and telephone number
- b. Well name and number
- c. Well location " $\frac{1}{4}$ ,  $\frac{1}{4}$ , Section, Township, Range, P.M."
- d. Date well was placed in a producing status
- e. The nature of the wells production, i.e.: crude oil casing gas, or natural gas and entrained liquid hydrocarbons.
- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, ie.: state or private.
- g. As appropriate, the communitization agreement number, the unit agreement name, number and participating area name.

COCKRELL OIL CORPORATION  
Lease #UTU-65949, 1210-2404 #1  
SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 24, T12S, R10E  
Carbon County, Utah

TYPICAL 2,000 psi WORKING PRESSURE BOP STACK



## BOP ACTUATING SYSTEM

- 1) Accumulator capacity will supply 1½ times volume necessary to close all BOP equipment units with a minimum pressure of 203 psi above pre-charge pressure.
- 2) Accumulator back up system, supplied by a secondary power source independent of primary power source, will be provided with sufficient capacity to close all blowout preventers.
- 3) Locking devices will be provided on ram type preventers.
- 4) Primary BOP actuating control will be hydraulic and located either in the dog house or on the rig floor. Back up control will be provided by hand-wheel manual operation of BOP.

## CHOKE MANIFOLD

All valves & fittings will be rated at 2000# working pressure.

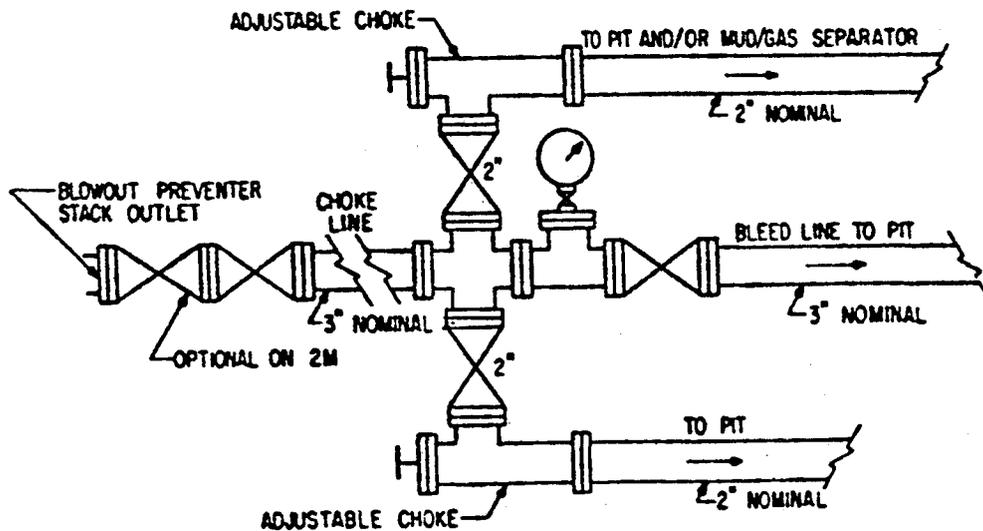


FIG. 3.A.1  
TYPICAL CHOKE MANIFOLD ASSEMBLY

COCKRELL OIL CORPORATION  
Lease #UTU-65949, 1210-2404 #1  
NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 24, T12S, R10E  
Carbon County, Utah

Multi-Point Surface Use and Operations Plan

1. Existing Roads: Refer to Maps "A" and "B" (shown in ORANGE)

- A. The proposed well site is staked and two 200-foot reference stakes are present.
- B. To reach the location from the town of Price, Utah; proceed generally north approximately 9.0 miles on U.S. Highway 191, thence generally northeast approximately 7.1 miles on U.S. Highway 191, thence generally east and south approximately 0.8 miles on an existing Carbon County road (crowned & ditched with a gravel surface), thence generally south/southeast approximately 0.5 miles on an existing, flat-bladed oilfield road, thence generally south approximately 1.0 mile on an existing, flat-bladed oilfield road, thence generally south/southeast approximately 1.0 mile to the proposed 1210-2404 #1 well location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to Map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 1.0 mile of new road construction will be required for access to the proposed 1210-2404 #1 well location.

- A. Width - 16-foot running surface, flat-bladed for both drilling and completion operations.
- B. Maximum grade - 8%.
- C. Turnouts - turnouts will be constructed on/along the proposed access road route as needed or required by the Authorized Officer in order to provide for the safe passage of traffic.
- D. Drainage design - in the event commercial production is established at the 1210-2404 #1 well location, the access road will be upgraded and maintained as necessary to prevent soil erosion and accommodate year-round traffic. The access road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along the access route.

2. Planned Access Roads: Continued

- D. Drainage design - road construction will be performed in accordance with roading guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.
- E. Culverts, cuts and fills - no culverts will be required for drilling and completion operations. If commercial production is established at the 1210-2404 #1 well location, water relief culverts (18-inch minimum diameter) will be installed along the access road route as necessary or required to allow for the free flow of water and provide for proper drainage of the access road running surface. Culverts will be installed in accordance with guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition. Cuts and/or fills of approximately three (3) feet are anticipated on/along the proposed access road route.
- F. Surfacing material - none required for drilling and completion operations. If commercial production is established at the 1210-2404 #1 well location, surfacing materials for the access road will be purchased from a local contractor having a permitted source of materials in the area, if necessary or required by the private surface owner.
- G. Gates, cattleguards or fence cuts - one (1) cattleguard will be required along the proposed access road route in a north/south fenceline situated on the section line between sections 13 and 14.
- H. The proposed access road route has been flagged.

3. Location of Existing Wells Within a One-Mile Radius:

- A. Water wells - none.
- B. Abandoned wells - none.
- C. Temporarily abandoned wells - none.
- D. Disposal wells - none.
- E. Drilling wells - SE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 11, T12S, R10E. \*\*  
SE $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 11, T12S, R10E. \*\*  
SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 14, T12S, R10E. \*\*  
SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 14, T12S, R10E. \*\*  
NW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 14, T12S, R10E. \*\*
- F. Producing wells - none.
- G. Shut-in wells - none.
- H. Injection wells - none.
- I. Monitoring wells - none.

3. Location of Existing Wells Within a One-Mile Radius: Cont.

\*\* These wells have been drilled and are currently waiting on completion tools.

4. Location of Existing and/or Proposed Facilities Owned By Cockrell Oil Corporation Within a One-Mile Radius:

A. Existing

1. Tank batteries - none.
2. Production facilities - none.
3. Oil gathering lines - none.
4. Gas gathering lines - none.

B. New Facilities Contemplated

1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty (20) feet from the toe of the backcut or top of the fill slope.
2. Production facilities will require an area approximately 250' X 125'. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval prior to installation.
3. Production facilities will be accommodated on the well pad. Construction materials needed for installation of the production facilities will be obtained from the site; any additional materials which may be needed will be purchased from a local supplier as required. A dike will be constructed completely around any production facilities containing liquid hydrocarbons or produced fluids (i.e., production tanks, produced water tanks and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 1.5 times the capacity of the largest tank, and be independent of the back cut.
4. All permanent above-the-ground structures, tank batteries, etc. that will remain longer than six months will be painted Carlsbad Canyon (Munsell standard color 2.5Y 6/2). The exception being that Utah Occupation Health and Safety Act Rules and Regulations will be complied with where special safety colors are required.

4. Location of Existing and/or Proposed Facilities Owned By  
Cockrell Oil Corporation Within a One-Mile Radius: Cont.

- C. The production pit will be fenced sheep-tight with woven wire and two (2) top strands of barbed wire held in place by side posts and wooden corner "H" braces in order to protect livestock and wildlife.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road and any additional areas specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended by the private surface owner.

5. Location and Type of Water Supply:

- A. Fresh water for drilling will be obtained from Summit Creek at a point located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 11, T12S, R10E. In the event this source proves inadequate, additional water will be obtained from Willow Creek at a point located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 10, T12S, R10E. Approval of an Application for Permit to Appropriate Surface Water will be obtained from the Utah State Engineer prior to diversion of any water from either Summit or Willow Creek, if required.
- B. Water will be transported over existing roads via tank truck from the point of diversion to the proposed 1210-2404 #1 well location. No new road construction will be required on/along the proposed water haul route. No off-lease federal lands will be crossed on/along the proposed water haul route.
- C. No water well will be drilled on this location.

6. Source of Construction Materials:

- A. No construction materials will be needed for well pad construction; surface and subsurface soils will be sufficient. Refer to Item #2F regarding construction materials which may be required on the access road.
- B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.

6. Source of Construction Materials: Continued

- C. If production is established, any construction materials required for surfacing of the access road and installation of production facilities will be purchased from a local supplier having an approved (permitted) source of materials in the area.
- D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground level at the lowest point in the pit.
- C. Produced fluids - hydrocarbons produced during completion operations will be placed in test tanks on the location. Water produced during completion operations will be put into the reserve pit according to the provisions of Onshore Operating Order #7 (formerly NTL-2B). Any spills of potentially hazardous materials will be cleaned up and immediately removed to an approved waste disposal site.
- D. Sewage - portable, self-contained chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped as necessary, and the contents thereof disposed of at an approved sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during drilling operations and the fencing will be maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Figure #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil stockpiles.
- B. Figure #1 is a diagram showing the rig layout. No permanent living facilities are planned. There will be four trailers on location: one each for the drilling engineer, geologist, mud logger, and toolpusher.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval prior to the commencement of installation operations (Refer to Item #4B for additional information in this regard).
- D. We do not anticipate the need for a reserve pit liner at this time. However, if porous subsoil materials (i.e., gravel, sand, fractured rock structures, etc.) are encountered during the course of reserve pit construction, an impervious liner will be installed in order to prevent drilling water loss through seepage.

10. Plans for Reclamation of the Surface:

- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit has dried. All waste materials will be disposed of immediately upon termination of drilling and completion activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit has dried. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 2:1 slope to a 3:1 slope by pushing the fill material back up into the cut.
- B. Upon completion of backfilling, leveling and recontouring, all disturbed surfaces (including the access road and well pad areas) will be scarified (ripped) and the stockpiled topsoil will be evenly spread over the reclaimed area(s).

10. Plans for Reclamation of the Surface: Continued

- B. The seedbed will be prepared by disking on the contour to an approximate depth of four (4) to six (6) inches, leaving no depressions that would trap water or form ponds.
- C. All disturbed surfaces (including the access road and well pad areas) will be reseeded using a seed mixture to be recommended by the private surface owner. Seed will be drilled on the contour (or at right angles to the prevailing wind on level areas) with the seed drill set at a depth of one-half (1/2) inch. Fall seeding will be completed after September 1 and prior to ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to June 1.
- D. Three sides of the reserve pit will be fenced during drilling operations and the fourth side will be fenced immediately upon rig removal. Said fencing will consist of woven wire with two (2) top strands of barbed wire held in place with side posts and wooden corner "H" braces in order to protect livestock and wildlife.
- E. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substance(s) will be flagged overhead or covered with wire mesh.
- F. Reclamation operations will begin after the drilling rig has been removed. Removal of oil or other adverse substances will begin immediately or the affected area(s) will be flagged and/or fenced. Other clean-up will be done as needed. Re-seeding activities are considered best in the Fall, 1991, unless requested otherwise.

11. Surface Ownership:

That portion of the proposed access road route located in Section 14, T12S, R10E is located on private surface estate owned by:

Shimmin Trust  
c/o Funnon Shimmin  
1551 East North Coal Creek Road  
Wellington, Utah 84542  
Phone: (801) 637-3412

11. Surface Ownership: Continued

That portion of the proposed access road route located in Sections 13 and 24, T12S, R10E and the proposed well location are situated on private surface estate owned by:

Mathis Land Company  
c/o William Dale Mathis  
1252 South Fairgrounds Road  
Price, Utah 84501  
Phone: (801) 637-3768

I hereby certify that Cockrell Oil Corporation will enter into "good faith" negotiations with representatives of both Mathis Land Company and the Shimmin Trust in an attempt to reach an equitable agreement with both parties as to the requirements for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof. In the event an equitable agreement can not be reached with either party, Cockrell Oil Corporation will comply with the provisions of the law or regulations governing the Federal or Indian right of re-entry to the surface (43 CFR 3814).

16 October 1990  
Date

  
Robert M. Anderson/Authorized Agent

12. Other Information:

- A. General Description of the Project Area: The project area is situated in east central Utah in an area locally known as Emma Park. This area is classified as a "high plains steppe" (cold desert) and is bounded by the Roan Cliffs to the north, the Book Cliffs to the south, Price Canyon to the west, and the Badland Cliffs to the north-east.

The well location is situated in the uplands directly south of Summit Creek, east of Willow Creek, west of Antoine Creek, and north of Deep Canyon. This area is generally characterized by moderately to severely undulating upland areas which are dissected by numerous, dendritically-patterned ephemeral drainages of Willow Creek and the Price River.

12. Other Information:

A. General Description of the Project Area: continued

This area exhibits a sparse to moderate vegetation density which is typical of semi-arid areas at elevations above 7,000 feet. Local flora consists of western wheatgrass, mountain brome, prairie junegrass, threadleaf sedge, prickly pear cactus, sagebrush, rabbitbrush, snakeweed, and serviceberry at the lower elevations with oakbrush, mountain mahogany, aspen, juniper, fir and pine trees at the higher elevations and on protected slopes. Local fauna consists of elk, mule deer, antelope, coyotes, rabbits, raptors, and various smaller vertebrate and invertebrate species.

There are no known threatened or endangered species (currently listed) that would be potentially impacted by construction, drilling and/or production operations on the proposed 1210-2404 #1 well location.

B. Surface Use Activities: The primary surface use is for grazing.

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites:

1. The closest source of permanent water is Willow Creek, located approximately two (2) miles to the west.
2. The closest occupied dwellings are located in the town of Helper, located approximately 10 miles to the southwest.
3. There are no known archaeological, historical or cultural sites that will be disturbed by this proposed drilling operation.

Cockrell Oil Corporation will be responsible for informing all persons associated with this project that they shall be subject to prosecution for damaging, altering, excavating or removing any archaeological, historical, or vertebrate fossil objects or site. If archaeological, historical, or vertebrate fossil materials are discovered, Cockrell Oil Corporation will suspend all operations that further disturb such materials and immediately contact the Authorized Officer, Bureau of Land Management.

12. Other Information:

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites: Continued

3. Operations will not resume until written authorization to proceed is issued by the Area Manager, Price Resource Area Office, Bureau of Land Management, Price, Utah.

Within five (5) working days, the Authorized Officer will evaluate the discovery and inform Cockrell Oil Corporation of actions that will be necessary to prevent loss of significant cultural or scientific values.

Cockrell Oil Corporation will be responsible for the cost of any mitigation required by the Authorized Officer. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, Cockrell Oil Corporation will be allowed to resume operations.

13. Lessee's or Operator's Representative and Certification:

Representative

Cockrell Oil Corporation  
Feldor Hollenshead, Vice President/Drilling & Production  
1600 Smith Street, Suite 4600  
Houston, Texas 77002-7348  
Phone: (713) 651-1271

Heitzman Drill-Site Services\*  
Dale Heitzman and/or Robert M. Anderson  
P.O. Drawer 3579  
Casper, Wyoming 82602  
Phone: (307) 266-4840

- \* Contact for any additional information which may be required for approval of this Application for Permit to Drill.

Cockrell Oil Corporation  
1210-2404 #1  
Surface Use & Operations Plan  
Page 11

13. Lessee's or Operator's Representative and Certification:

Certification

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 & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

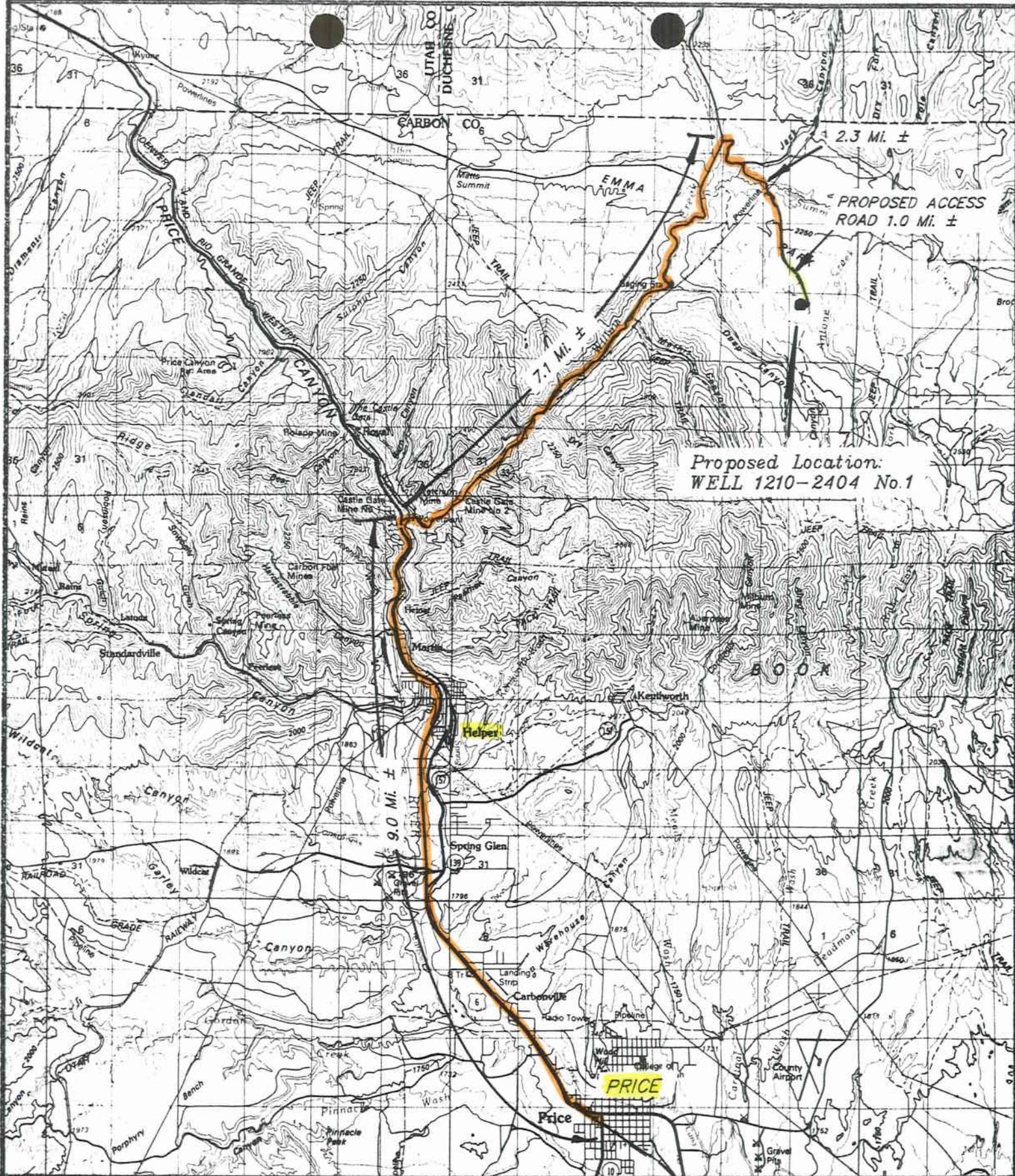
Cockrell Oil Corporation will be fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative(s) to ensure compliance.

The dirt contractor will be provided with a copy of the Surface Use Plan from the approved Application for Permit to Drill.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road 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 Cockrell Oil Corporation, 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.

16 October 1990  
Date

  
Robert M. Anderson/Authorized Agent

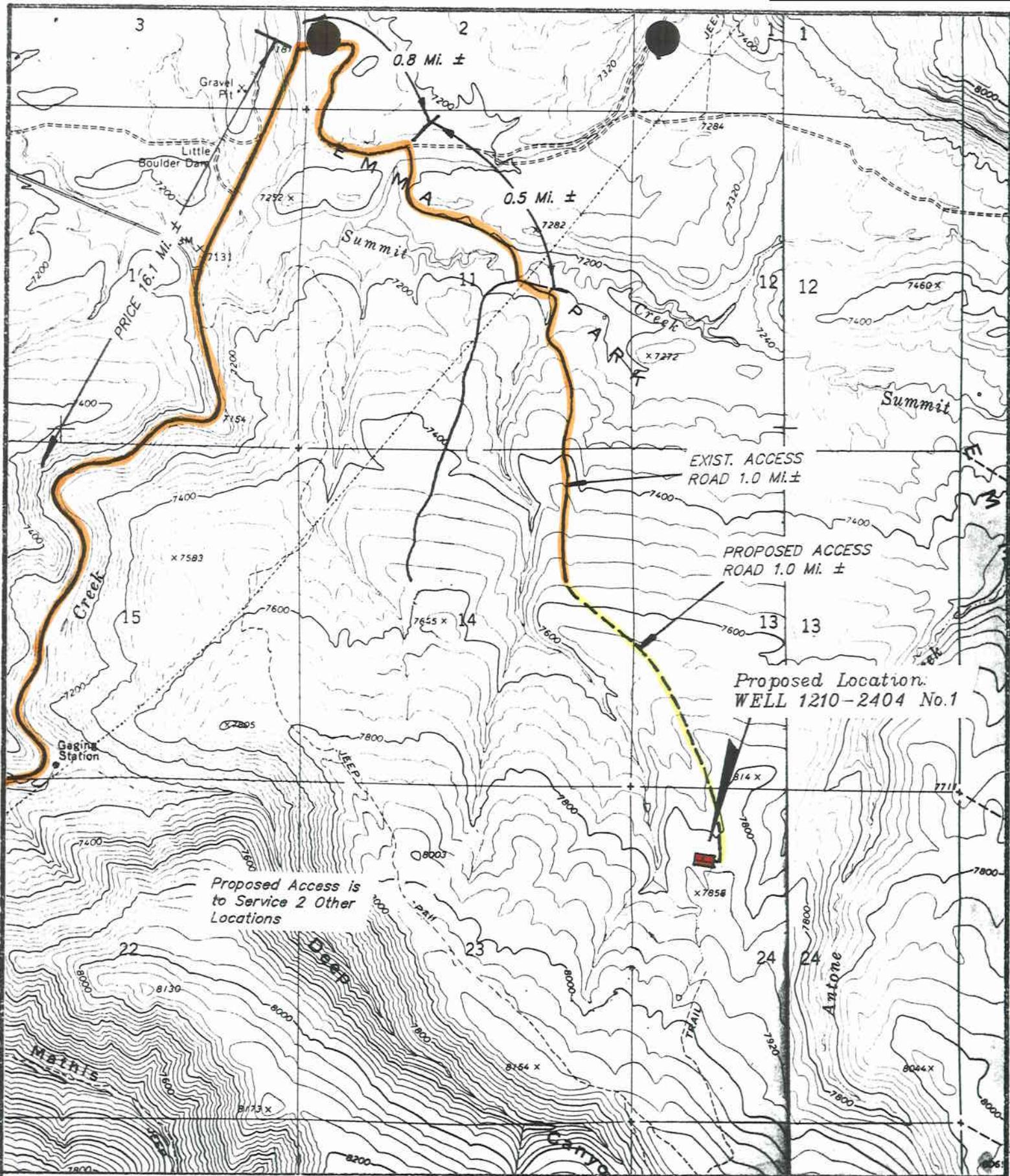


TOPOGRAPHIC  
 MAP "A"  
 DATE: 8-20-90



COCKRELL OIL CORP.

WELL 1210-2404 No. 1  
 SECTION 24, T12S, R10E, S.L.B.&M.



TOPOGRAPHIC  
 MAP "B"  
 SCALE 1" = 2000'  
 DATE: 8-20-90

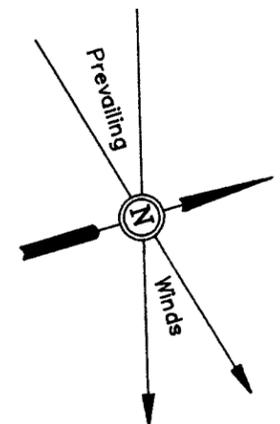
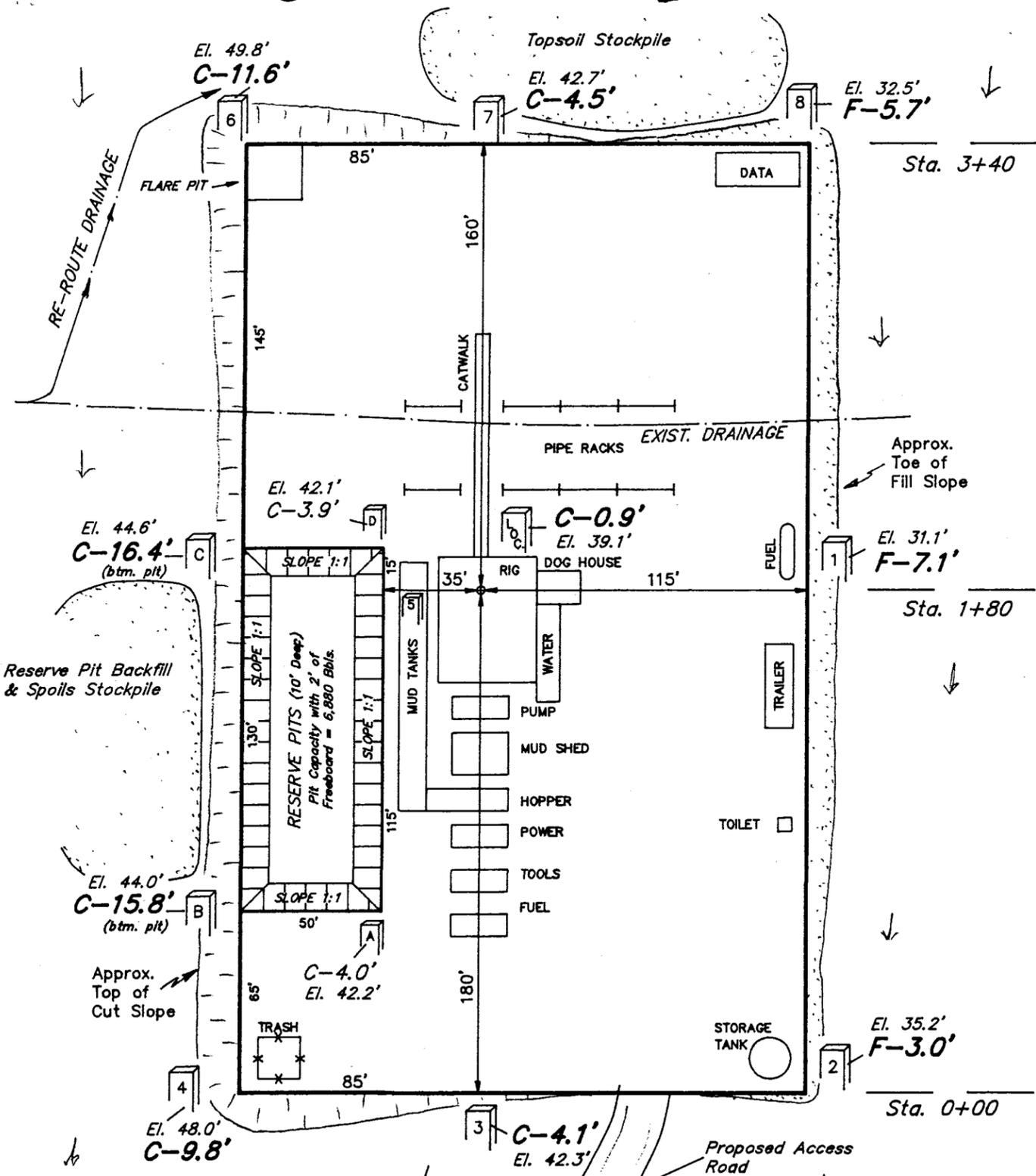


COCKRELL OIL CORP.  
 WELL 1210-2404 No. 1  
 SECTION 24, T12S, R10E, S.L.B.&M.

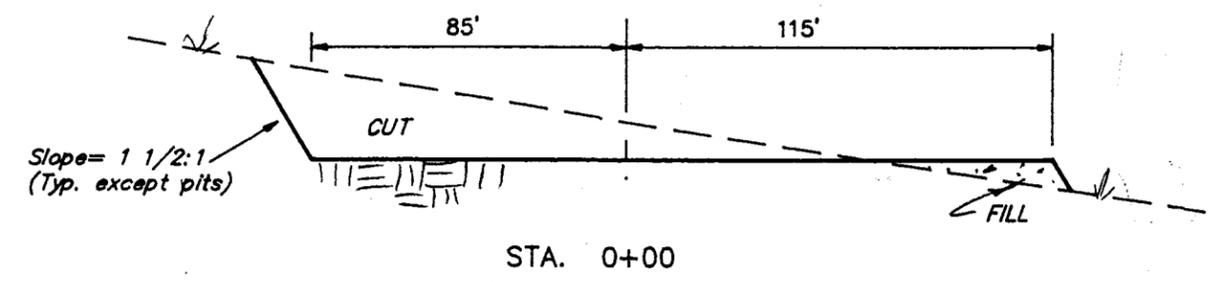
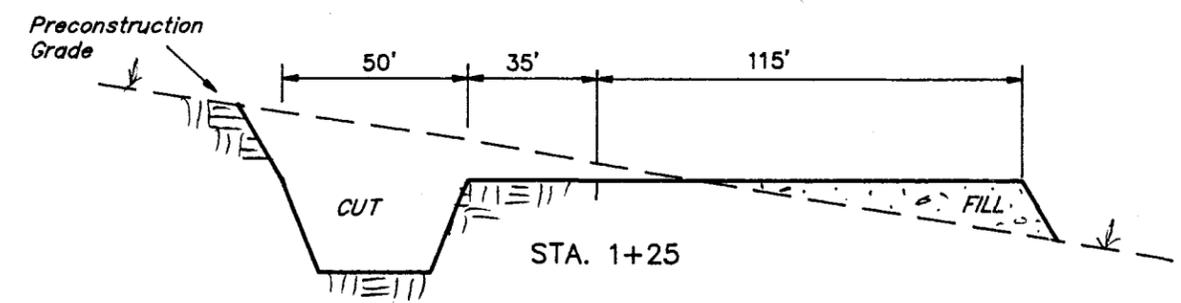
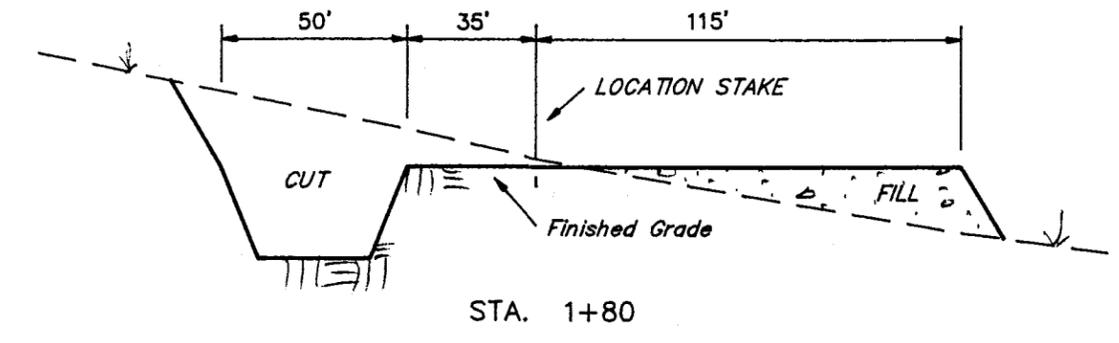
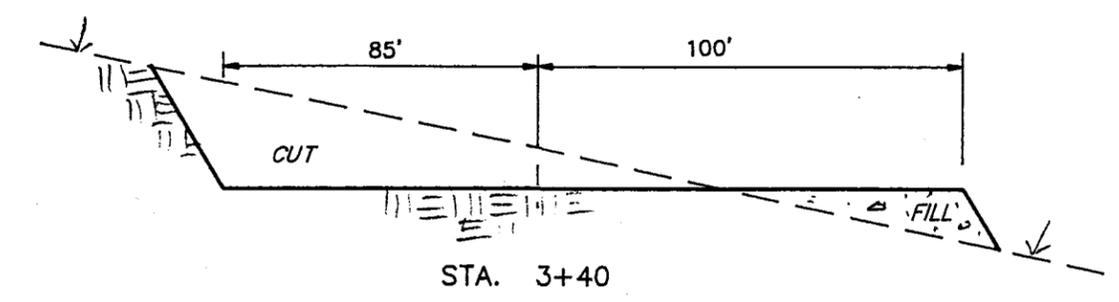
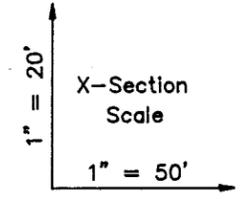
**COCKRELL OIL CORP.**

**LOCATION LAYOUT FOR**

WELL 1210-2404 NO. 1  
SECTION 24, T12S, R10E, S.L.B.&M.



SCALE: 1" = 50'  
DATE: 8-20-90  
Drawn By: J.R.S.  
REVISED: 9-29-90



**TYP. LOCATION LAYOUT**

**TYP. CROSS SECTIONS**

**APPROXIMATE YARDAGES**

CUT	
(6") Topsoil Stripping	= 1,300 Cu. Yds.
Pit Volume (Below Grade)	= 1,780 Cu. Yds.
Remaining Location	= 6,150 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,230 CU.YDS.</b>
<b>FILL</b>	<b>= 4,030 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,990 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,190 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 2,800 Cu. Yds.</b>

ELEV. UNGRADED GROUND AT LOC. STAKE = 7839.1'  
ELEV. GRADED GROUND AT LOC. STAKE = 7838.2'

OPERATOR Cockrill Oil Corp. N-1035 DATE 10-31-90

WELL NAME 1010-0404 #1

SEC NW1/4 04 T 10S R 10E COUNTY Carbon

43-007-30107  
API NUMBER

Individual (1)  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

✓ Water Permit 91-Area (T90-91-00) per Ben Wlickman  
✓ ROCC 10-31-90  
✓ Elevation Location

APPROVAL LETTER:

SPACING:

R615-2-3

N/A  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

~~Needs water permit~~

STATE ACTIONS

Mail to:  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY  
OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:  
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:  
November 1, 1990
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:  
(to be sent out by agency in block 1)  
Southeastern Utah Association of Governments
5. TYPE OF ACTION:  Lease  Permit  License  Land Acquisition  
 Land Sale  Land Exchange  Other \_\_\_\_\_
6. TITLE OF PROPOSED ACTION:  
Application for Permit to Drill
7. DESCRIPTION:  
Cockrell Oil Corporation proposes to drill a wildcat well, the 1210-2404 #1 on federal lease UTU-65949 in Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
8. LAND AFFECTED (site location map required) (indicate county)  
NW/4, NW/4, Section 24, Township 12 South, Range 10 East, Carbon County, Utah
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?  
Unknown
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:  
No significant impacts are likely to occur.
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT:  
R.J. Firth  
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL  
  
DATE: 11-1-90  
Petroleum Engineer

WOI187



COCKRELL OIL  
CORPORATION

RECEIVED  
NOV 05 1990

1600 SMITH • SUITE 4600 • HOUSTON, TEXAS 77002-7348  
TELEPHONE 713/651-1271

November 1, 1990

Ms. Tammy Searing  
State of Utah  
Department of Natural Resources  
Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Re: APD's 1210-1204 No. 1  
1210-2404 No. 1 S 24, 12S, 10E  
1210-1304 No. 1  
1210-2304 No. 1

Dear Tammy:

As discussed in our telephone conversation today, the above referenced wells are not in compliance with statewide spacing rules as they are less than 460 feet from the 40 acre boundaries. We have located them as shown in order to be close to a 160-acre spacing grid. We feel that subsequent drilling may indicate 320 acre or possibly 160 acre spacing may be optimum. If so, these wells would be within the pattern.

Cockrell Oil Corporation has under lease all the adjacent effected locations. Cockrell Oil Corporation has under lease all of sections 12, 13 and 23, and all of section 24, except the SESE  $\frac{1}{4}$ . Cockrell Oil Corporation has approximately 15,000 acres under lease in the immediate area.

I, therefore, request that the above referenced APD locations be approved as exceptions because of the probable advantages for efficient development.

If you have any questions or need any additional information, please call me. Thank you for your consideration.

Very truly yours,

  
B. E. Weichman  
Geologist

BEW:ys

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK

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

2. NAME OF OPERATOR  
 Cockrell Oil Corporation

3. ADDRESS OF OPERATOR  
 1600 Smith Street, Suite 4600, Houston, Texas 77002-7348

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1170' FNL, 1170' FWL (SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ ) 24-12S-10E  
 At proposed prod. zone  
 Same As Above 43-007-30127

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately Ten (10) Miles Northeast of Helper, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)                      1170'

16. NO. OF ACRES IN LEASE                      2560

17. NO. OF ACRES ASSIGNED TO THIS WELL                      40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                      5344.68'

19. PROPOSED DEPTH                      4250'

20. ROTARY OR CABLE TOOLS                      Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 7839' GR

22. APPROX. DATE WORK WILL START\*  
 November 1, 1990

5. LEASE DESIGNATION AND SERIAL NO.  
 UTU-65949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Not Applicable

7. UNIT AGREEMENT NAME  
 Not Applicable

8. FARM OR LEASE NAME  
 1210-2404

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 24, T12S, R10E

12. COUNTY OR PARISH                      13. STATE  
 Carbon                      Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" WC-50	23.0#	0- 400'	320 sx Circulated to Surface *

**RECEIVED**  
 JUL 05 1991  
 DIVISION OF  
 OIL GAS & MINING

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.

24. SIGNED *Felder Hollenshead* TITLE Vice-President DATE 10/15/90  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE Assistant District Manager  
 APPROVED BY /s/ WILLIAM C. STRINGER TITLE \_\_\_\_\_ DATE \_\_\_\_\_

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A  
 Dated 1/9/80

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

**COCKRELL OIL CORP.**

**T12S, R10E, S.L.B.&M.**

Well location 1210-2404 No. 1, located as Shown in the NW 1/4 NW 1/4 of Section 24, T12S, R10W, S.L.B.&M. Carbon County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP IN THE SW 1/4 NE 1/4 OF SECTION 11, T12S, R10E, S.L.B.&M. TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP). PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7282 FEET.



**RECEIVED**

JUL 05 1991

DIVISION OF  
OIL GAS & MINING

CERTIFICATE

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

*Robert L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

REVISED: 10-15-90

**UINTAH ENGINEERING & LAND SURVEYING**

P. O. BOX 1758 - 85 SOUTH - 200 EAST

VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 8-20-90
PARTY R.L.K. L.D.T. J.T.K. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COCKRELL OIL CORP.

N89°06'W - 40.93 (G.L.O.)

N89°30'W - 40.23 (G.L.O.)

N0°34'W - G.L.O. (Basis of Bearings)  
2710.09' - (Measured)

1170'

1170'  
(Comp.)

N37°11'26"E  
1910.14'

**WELL 1210-2404 No. 1**  
Elev. Ungraded Ground = 7839'

**24**

N0°52'E - 40.95 (G.L.O.)

N0°55'E - 40.67 (G.L.O.)

N0°29'E - 41.10 (G.L.O.)

N89°20'W - 40.26 (G.L.O.)

N90°33'W - 40.01 (G.L.O.)

▲ = SECTION CORNERS LOCATED. (Brass Caps)

NOTIFICATIONS

Notify Mike Kaminski of the Price River Resource Area, at  
(801) 637-4584 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing BOP's and surface casing.

If the person at the above number cannot be reached, then notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home (801) 259-5937 (If unsuccessful, then notify one of the following people listed below).

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-6239
Eric Jones, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours please call the following:

Lynn Jackson, Chief, Branch of Fluid Minerals	Office Phone: (801) 259-6111
	Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

Cockrell Oil Corporation  
Well No. 1210-2404 #1  
NWNW Sec. 24, T. 12 S., R. 10 E.  
Carbon County, Utah  
Lease U-65949

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 Cockrell Oil Corporation 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 UT0794 (Principal - Cockrell Oil Corporation) via surety consent as provided for in 43 CFR 3104.3.

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

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Orders 1, 2, 3, 4 and 5 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

1. Surface casing shall have a centralizer on each of the bottom three joints.
2. No hexavalent chromate additives will be used in the mud system in order to protect usable quality water aquifers.
3. Daily drilling and completion progress reports shall be submitted to the Moab District Office on a weekly basis.
4. Produced waste water will be confined to a unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
5. Required verbal notifications are summarized in Table 1, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

C. SURFACE USE PLAN

1. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.
2. Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development prior to approval of further Applications for Permit to Drill.
3. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager for Minerals. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6.
4. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.6.
5. The dirt contractor will be provided with an approved copy of the surface use plan.
6. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

November 21, 1990

Cockrell Oil Corporation  
1600 Smith Street, Suite 4600  
Houston, Texas 77002-7348

Gentlemen:

Re: 1210-2404 #1 - NW NW Sec. 24, T. 12S, R. 10E - Carbon County, Utah  
1170' FNL, 1170' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2  
Cockrell Oil Corporation  
1210-2404 #1  
November 21, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-007-30127.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-16

RECEIVED

RECEIVED

Rec. by SS

Fcc Rec. 30.00

Receipt # 31932

NOV 13 1991

OCT 28 1991

OCT 21 1991

DIVISION OF OIL GAS & MINING

WATER RIGHTS SALT LAKE

WATER RIGHTS

Microfilmed \_\_\_\_\_

Roll # \_\_\_\_\_

# FILING FOR WATER IN THE STATE OF UTAH

## APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

\*WATER RIGHT NO. 91 - 4819

\*APPLICATION NO. A T65703

1. \*PRIORITY OF RIGHT: October 21, 1991 \*FILING DATE: October 21, 1991

2. OWNER INFORMATION

Name(s): Cockrell Oil Corporation \*Interest: \_\_\_\_\_ %

Address: 1600 Smith Suite 4600

City: Houston State: Texas Zip Code: 77002

Is the land owned by the applicant? Yes \_\_\_\_\_ No X (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: Existing Underground cfs and/or 3.0 ac-ft.

4. SOURCE: Exploratory Wells \*DRAINAGE: \_\_\_\_\_

which is tributary to \_\_\_\_\_

which is tributary to \_\_\_\_\_

POINT(S) OF DIVERSION: \_\_\_\_\_ COUNTY: Carbon

See Attachment #1

Description of Diverting Works: 5 1/2 inch casing, 4425 ft. to 4667 ft. deep

\*COMMON DESCRIPTION: 10 miles NE of Helper Matts Summit Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point:

N. 550 ft. & E. 1950 ft. from SW Cor. Sec. 11, T12S, R10E, SLB&M.

Description of Diverting Works: Portable pump to tank truck

6. POINT(S) OF RETURN

The amount of water consumed will be \_\_\_\_\_ cfs or 3.0 ac-ft.

The amount of water returned will be \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

7. STORAGE

Reservoir Name: See Attachment #1 Storage Period: from \_\_\_\_\_ to \_\_\_\_\_

Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_ acres.

Height of dam: \_\_\_\_\_ feet

Legal description of inundated area by 40 acre tract(s): \_\_\_\_\_

\* These items are to be completed by the Division of Water Rights

8. List any other water rights which will supplement this application \_\_\_\_\_

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From <u>Oct. 5, 1991</u>	to <u>May 31, 1992</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_ acres.  
 Stockwatering (number and kind): \_\_\_\_\_  
 Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons.  
 Municipal (name): \_\_\_\_\_  
 Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine.  
 Ores mined: \_\_\_\_\_  
 Power: Plant name: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
 Other (describe): Drilling of coalbed methane wells and a water disposal well,  
Road Construction and Maintenance.

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): See Attachment #2  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of the same size if necessary):

Cockrell intends to drill the wells mentioned in Attachment #2 and requests permission to use the water produced from the 5 Shimmin Trust Wells for this purpose. The water is produced with methane gas from Mesaverde coals. This water is not tributary to any stream system; but, is confined in the coal beds until produced. Cockrell has leased the right for this operation from the owner. Supplemental with Temporary Change Application #t91-91-09.

\*\*\*\*\*

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

B. E. Weichman  
 Signature of Applicant(s)\*  
 B. E. Weichman, Special Projects Manager

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners.

\_\_\_\_\_  
 Authorized Agent (please print)  
 \_\_\_\_\_  
 Authorized Agent (signature)

Attachment #1

Attachment to  
APPLICATION TO APPROPRIATE WATER

Owner: Cockrell Oil Corporation  
1600 Smith - Suite 4600  
Houston, Texas 77002-7348  
Phone: (713) 651-1271

- Item #4
1. Shimmin Trust #1 located 793 feet from the south line and 780 feet from the east line of Sec. 11, T12S, R10E. Drilled to a depth of 4,667 feet with 5-1/2" casing set to total depth.
  2. Shimmin Trust #2 located 1980 feet from the north line and 800 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,650 feet with 5-1/2" casing set to total depth.
  3. Shimmin Trust #3 located 1980 feet from the north line and 1780 feet from the west line of Sec. 14, T12S, R10E. Drilled to a depth of 4,425 feet with 5-1/2" casing set to total depth.
  4. Shimmin Trust #4 located 540 feet from the south line and 1900 feet from the west line of Sec. 11, T12S, R10E. Drilled to a depth of 4,631 feet with 5-1/2" casing set to total depth.
  5. Shimmin Trust #5 located 660 feet from the north line and 2340 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,485 feet with 5-1/2" casing set to total depth.

Item #7 Water will be in temporary storage in pits at each well location as shown on the attached plat. Pits have been approved by the Oil and Gas Conservation Commission and vary in size with average size being 1,160 barrels or 48,720 gallons.

Date: October 1, 1991

Cockrell Oil Corporation

STATE ENGINEER'S ENDORSEMENT

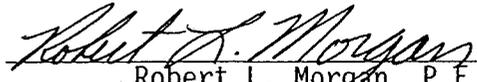
WATER RIGHT NUMBER: 91 - 4819

APPLICATION NO. T65703

1. October 21, 1991      Application received by JD.
  2. October 23, 1991      Application designated for APPROVAL by MP and KLJ.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated November 8, 1991, subject to prior rights and this application will expire on November 8, 1992.

  
Robert L. Morgan, P.E.  
State Engineer

Attachment #2

Temporary Change Application  
Number t91-91-09  
Cockrell Oil Corporation  
October 8, 1991

Proposed Well Locations  
All locations in T12S, R10E, SLB&M:

- 1) 1210-0801: S. 415 ft. & W. 288 ft. from NE Cor. Sec. 8 (NE4NE4) 43-007-30147
- 2) 1210-0806: S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4) 43-007-30147
- 3) 1210-0708: S. 2000 ft. & W. 600 ft. from NE Cor. Sec. 7 (SE4NE4) 43-007-30135
- 4) 1210-0907: S. 2000 ft. & W. 2050 ft. from NE Cor. Sec. 9 (SW4NE4) 43-007-30157
- 5) 1210-0313: N. 750 ft. & E. 650 ft. from SW Cor. Sec. 3 (SW4SW4) 43-007-30134
- 6) 1210-1204: S. 1100 ft. & E. 1200 ft. from NW Cor. Sec. 12 (NW4NW4) 43-007-30129
- 7) 1210-1304: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 13 (NW4NW4) 43-007-30129
- 8) 1210-1504: S. 700 ft. & E. 500 ft. from NW Cor. Sec. 15 (NW4NW4) 43-007-30138
- 9) 1210-1609: N. 2000 ft. & W. 775 ft. from SE Cor. Sec. 16 (NE4SE4) 43-007-30136
- 10) 1210-1602: S. 700 ft. & W. 1900 ft. from NE Cor. Sec. 16 (NW4NE4) 43-007-30135
- 11) 1210-2302: S. 800 ft. & W. 1800 ft. from NE Cor. Sec. 23 (NW4NE4) 43-007-30134
- 12) 1210-2310: N. 2000 ft. & W. 1950 ft. from SE Cor. Sec. 23 (NW4SE4) 43-007-30134
- 13) 1210-2404: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 24 (NW4NW4) 43-007-30127
- 14) 1210-2412: N. 2100 ft. & E. 475 ft. from SW Cor. Sec. 24 (NW4SW4) 43-007-30135



COCKRELL OIL  
CORPORATION

1600 SMITH, SUITE 4600, HOUSTON, TEXAS 77002-7348  
TELEPHONE 713/750-9311

FELDOR HOLLENSHEAD  
Vice President  
Drilling and Production

November 21, 1991

Mr. Ron Firth, Director  
Oil & Gas  
Division of Oil Gas and Mining  
Dept. of Natural Resources  
3 Triad Center, Suite 350  
Salt Lake City, Utah 94180-1203

Dear Ron:

Enclosed please find our applications to extend the permit to drill on five proposed wells which I believe are scheduled to expire on 11-21-91. Your office was very prompt when originally approving these APD's; however, the BLM required an EA to be completed before other wells in the program were approved. Now that the EA has been completed, we hope to drill these locations in 1992.

Sincerely yours,

Ben Weichman  
Special Projects Manager

BW:aa

RECEIVED

NOV 25 1991

DIVISION OF  
OIL GAS & MINING

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

6. Lease Designation and Serial Number  
UTU-65949

7. Indian Allottee or Tribe Name  
N/A

8. Unit or Communitization Agreement  
N/A

**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)

9. Well Name and Number  
1210-2404 No. 1

2. Name of Operator  
Cockrell Oil Corporation

10. API Well Number  
43-007-30127

3. Address of Operator  
1600 Smith, Suite 4600, Houston, Texas 77002-7348

4. Telephone Number  
(713) 651-1271

11. Field and Pool, or Wildcat  
Wildcat

5. Location of Well  
Footage : 1170' FNL, 1170' FWL (SE NW NW)  
QQ, Sec. T., R., M. : Sec. 24, T12S, R10E

County : Carbon  
State : UTAH

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

NOTICE OF INTENT  
(Submit in Duplicate)

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

Approximate Date Work Will Start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

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

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.)

This APD and four others submitted by Cockrell Oil Corp. were approved by Utah Division of Oil Gas and Mining on 11-21-90. However, approval on other locations was withheld by the U.S. Bureau of Land Management until an Environmental Analysis was approved last summer. This delayed our overall program for drilling in 1991. Therefore we request a one year extension of the application to drill this location.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 11-27-91  
BY: [Signature]

RECEIVED

NOV 25 1991

DIVISION OF  
OIL GAS & MINING

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

Name & Signature \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

(State Use Only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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

**SUBMIT IN TRIPLICATE**

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

5. Lease Designation and Serial No.  
UTU-65949

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

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

8. Well Name and No.  
1210-2404 #1

9. API Well No.  
43-007-30127

10. Field and Pool, or Exploratory Area  
Wildcat

11. County or Parish, State  
Carbon County, Utah

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
Cockrell Oil Corporation

3. Address and Telephone No.  
1600 Smith, Suite 4600 Houston, TX 77002

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1170' FNL, 1170' FWL (SE NW NW) Sec 24, T12S. R10E

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 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>APD Extension</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Reactive 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 for all markers and zones pertinent to this work.)\*

Request for APD Extension. Drilling program delayed pending environmental studies.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 6-24-92  
BY: [Signature]

**RECEIVED**  
JUN 23 1992  
DIVISION OF  
OIL GAS & MINING

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

Signed [Signature] Title Mgr. Special Projects Date 6/22/92  
(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.

July 6, 1992

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

Attn: Mr. R.J. Firth  
Associate Director Oil & Gas

RE: Change of Operator  
Castlegate, CBM Project  
Cockrell Oil Corporation  
to PG&E Resources Company

Dear Sir:

Please find enclosed for the above referenced subject Sundry Notices; Form 9 (in triplicate) for the following wells located in Carbon County:

STATE

- Schimmin Trust No. 1
- Schimmin Trust No. 2
- Schimmin Trust No. 3
- Schimmin Trust No. 4
- Schimmin Trust No. 5
- 1210-1602 No. 1
- 1210-1609 No. 1

FEDERAL

- 1210-0313 No. 1
- 1210-0708 No. 1
- 1210-0806 No. 1
- 1210-0907 No. 1
- 1210-1204 No. 1
- 1210-1304 No. 1
- 1210-1504 No. 1
- 1210-2302 No. 1
- 1210-2304 No. 1
- 1210-2310 No. 1
- 1210-2404 No. 1
- 1210-2412 No. 1

**RECEIVED**

JUL 10 1992

DIVISION OF  
OIL GAS & MINING

Should additional information be required or if questions arise, please contact the undersigned at (214) 750-3988.

Sincerely,

Jim LaFevers  
Regulatory Affairs Supervisor

JL/ap

wp51/jl/chgoper.ltr

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

6. Lease Designation and Serial Number UTU-65949
7. Indian Allottee or Tribe Name --
8. Unit or Communitization Agreement --
9. Well Name and Number 1210-2404 #1
10. API Well Number 43-007-30127
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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) CBM Well	
2. Name of Operator PG&E Resources Company	
3. Address of Operator 5950 Berkshire Lane, Suite 600, Dallas, TX 75225	4. Telephone Number 5 (214) 750-3988
5. Location of Well Footage : 1170' FNL & 1170' FWL County : Carbon Q.C. Sec. T., R., M. : NW NW Section 24, T-12S, R-10E 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 type="checkbox"/> Other _____	

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 checked="" type="checkbox"/> Other <u>Change of Operator</u>	

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.)**

Please be advised PG&E Resources Company has acquired the above named well from Cockrell Oil Corporation, 1600 Smith Street, Suite 4600, Houston, TX 77002-7348 as of July 1, 1992.

Bond coverage for this well will be provided by Bond No. 8063-38-07 and by Bond No. 8057-26-00

**RECEIVED**

JUL 10 1992

DIVISION OF  
OIL GAS & MINING

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

Name & Signature Jim LaFavers *Jim LaFavers* Title Reg. Affairs Super. Date 7/6/92

(State Use Only)

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.  
UTU-65949

6. If Indian, Allottee or Tribe Name  
--

7. If Unit or CA. Agreement Designation  
--

8. Well Name and No.  
1210-2404 #1

9. API Well No.  
43-007-31027 30127

10. Field and Pool, or Exploratory Area  
Wildcat

11. County or Parish, State  
Carbon

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other CBM Well

2. Name of Operator  
PG&E Resources Company

3. Address and Telephone No.  
5950 Berkshire Lane, Suite 600, Dallas, TX 75225 (214) 750-3988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1170' FNL & 1170' FWL  
NW NW Section 24, T-12S, R-10E

**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"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</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 separate 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.)\*

Please be advised PG&E Resources Company has acquired the above named well from Cockrell Oil Corporation, 1600 Smith Street, Suite 4600, Houston, TX 77002-7348 as of July 1, 1992.

Bond Coverage for this well will be provided by Bond No. U-187011.

**RECEIVED**

JUL 30 1992

DIVISION OF  
OIL, GAS & MINING

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

Signed Jim LaFever Title Regulatory Affairs Supervisor Date 7/6/92

(This space for Federal or State office use)  
Approved by William C. Stungis Title Assistant District Manager for Minerals Date 7/27/92

Conditions of approval, if any:

COMPLETION OF APPROVAL ATTACHED

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.

PG&E Resources Company  
Well No. 1210-2404 #1  
NWNW Sec. 24, T. 12 S., R. 10 E.  
Carbon County, Utah  
Lease U-65949

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 PG&E 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 WY2554 (Principal - PG&E Resources Company) via surety consent as provided for in 43 CFR 3104.2.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1-LCR	7-KOR
2-DEBTS	
3-VLC	✓
4-RJF	✓
5-RWM	
6-ADA	✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)                       Designation of Agent  
 Designation of Operator                               Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-92)

TO (new operator) PG&E RESOURCES COMPANY  
 (address) 5950 BERKSHIRE LN #600  
DALLAS, TX 75225  
JIM LEFEVERS  
 phone ( 214 ) 750-3824  
 account no. N 0595(X)

FROM (former operator) COCKRELL OIL CORPORATION  
 (address) 1600 SMITH STE 4600  
HOUSTON, TX 77002-7348  
 phone ( 713 ) 651-1271  
 account no. N 1035

Well(s) (attach additional page if needed):

Name: <u>1210-2310 #1/DRL</u>	API: <u>43-007-30124</u>	Entity: <u>99999</u>	Sec <u>23</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>1210-1204 #1/DRL</u>	API: <u>43-007-30125</u>	Entity: <u>99999</u>	Sec <u>12</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>FEDERAL 4-13/DRL</u>	API: <u>43-007-30126</u>	Entity: <u>99999</u>	Sec <u>13</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>1210-2404 #1/DRL</u>	API: <u>43-007-30127</u>	Entity: <u>99999</u>	Sec <u>24</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>1210-2304 #1/DRL</u>	API: <u>43-007-30128</u>	Entity: <u>99999</u>	Sec <u>23</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>1210-0313 #1/DRL</u>	API: <u>43-007-30134</u>	Entity: <u>99999</u>	Sec <u>3</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65948</u>
Name: <u>1210-0708 #1/DRL</u>	API: <u>43-007-30135</u>	Entity: <u>99999</u>	Sec <u>7</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65948</u>

CONT.

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *\* Btm Approvals rec'd 7-30-92.*
- SCR 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 7-10-92)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- SCR 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- SCR 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(7-31-92)*
- SCR 6. Cardex file has been updated for each well listed above. *(7-31-92)*
- SCR 7. Well file labels have been updated for each well listed above. *(7-31-92)*
- SCR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(7-31-92)*
- SCR 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- JCF* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- JCF* 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- JS* 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*8/25/92 to Ed Bonner*

FILMING

- JCF* 1. All attachments to this form have been microfilmed. Date: Aug 27 1992.

FILING

- JCF* 1. Copies of all attachments to this form have been filed in each well file.
- JCF* 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

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September 25, 1992

U.S. Department of the Interior  
Bureau of Land Management  
Moab District Office  
P.O. Box 970  
Moab, Utah 84532



Attn: Mr. Bill Stringer  
Assistant District Manager

RE: PG&E Resources Company  
Castlegate CBM Project  
Carbon County, Utah

Dear Mr. Stringer:

Please find enclosed Sundry Notices; Form 3160-5 (in triplicate) requesting your office to cancel the approved Application for Permit to Drill (APD) for the following wells within the above referenced project.

Federal	1210-0313	No.1 -
Federal	1210-0708	No.1 -
Federal	1210-1204	No.1 -
Federal	1210-2302	No.1 -
Federal	1210-2304	No.1 -
Federal	1210-2404	No.1 -
Federal	1210-2412	No.1 -

PG&E Resources Company currently has no plans to drill these wells at this time. Should you require additional information, please contact me at (214) 750-3988.

Sincerely,

Jim LaFevers  
Supervisor  
Regulatory Affairs

cc: D.W. Moore

Mr. Frank Matthews  
Division of Oil, Gas & Mining  
3 Triad Center, Ste. 350  
Salt Lake City, UT 84180

SEP 30 1992

DIVISION OF  
OIL GAS & MINING

wp51\jl\form3160.ltr



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.

UTU-65949

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Federal 1210-2404 No. 1

9. API Well No.

43-007-30127

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Carbon

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other CBM Well

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expressway, Suite 1000, Dallas, TX 75206-3922

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

1170' FNL & 1170' FWL  
NW NW Section 24, T12S-R10E

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"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Cancel APD</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.)\*

PG&E Resources Company requests cancellation of the approved Application for Permit to Drill (APD) for the referenced well.

**RECEIVED**

SEP 30 1992

DIVISION OF  
OIL GAS & MINING

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 9/30/92

BY: JM Matthews

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

Signed Jimi LaFever

Title Regulatory Affairs Supervisor

Date 9/25/92

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

October 6, 1992

Mr. Jim LaFevers  
PG & E Resources Company  
6688 N. Central Expressway, Suite 1000  
Dallas, Texas 75206-3922

Dear Mr. LaFevers:

Re: Federal 1210-2404 #1, Sec. 24, T. 12S, R. 10E, Carbon County, Utah,  
API No. 43-007-30127

Per your request, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley  
Administrative Manager  
Oil and Gas

DME/lcd

cc: R.J. Firth  
Bureau of Land Management - Moab  
Well file

WOI139

Moab District  
P. O. Box 970  
Moab, Utah 84532

3162  
(U-65949)  
(U-065)

OCT 27 1992

PG&E Resources Company  
6688 N. Central Expressway, Suite 1000  
Dallas, Texas 75206-3922

Re: Rescinding Applications for Permit to Drill

Well No. Federal 1210-2302 No. 1  
Federal 1210-2304 No. 1  
Federal 1210-2404 No. 1  
Federal 1210-2412 No. 1

43-007-30127

T. 12 S., R. 10 E. *Sec 24*  
Carbon County, Utah  
Lease U-65949

Gentlemen:

Please find enclosed Applications for Permit to Drill (APDs) dated October 15, 1990 and May 14, 1991, which are being rescinded upon your request.

Should you intend to drill at these locations at a future date, new applications for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

/s/ WILLIAM C. STRINGER

Assistant District Manager  
Mineral Resources

Enclosure

1. Applications for Permit to Drill (4)

cc: State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203 (wo/Enclosure) ✓  
Price River Resource Area, U-066 (wo/Enclosure)

VButts:vb:10/26/92

RECEIVED

OCT 29 1992

DIVISION OF  
OIL, GAS & MINING