

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/ABD _____

Application NOT approved by this office; well never drilled

DATE FILED 4-23-79

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-16859 INDIAN

DRILLING APPROVED: APPLICATION NOT APPROVED

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 4-23-79 LOCATION ABANDONED

FIELD: Wildcat 3/86

UNIT:

COUNTY: Garfield

WELL NO. Turkey Knob #3 API NO: 43-017-30078

LOCATION 660' FT. FROM ~~XX~~ (S) LINE. 660' FT. FROM (E) ~~XX~~ LINE. SE SE 1/4 - 1/4 SEC. 9

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
32S	12E	9	FULTON OIL & GAS INC.				

4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
Fulton Oil & Gas, Inc., c/o Rimrock Mining Corp.

3. ADDRESS OF OPERATOR
1604 - London House, 505 - 4th Ave. S.W. Calgary, Alberta T2P0J8

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 660 fsh, 660' EFL
 At proposed prod. zone Same FEL SE SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
26 mile south of Hanksville, Utah

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

16. NO. OF ACRES IN LEASE
2579.4

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1 1/4 miles

19. PROPOSED DEPTH
6860

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 4912

22. APPROX. DATE WORK WILL START*
May 28th, 1978, 40 Days

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4	9 5/8	36#	500 - 520	300 Sx
7 7/8	5 1/2	14#	T.D.	to be determined

1. Drill 12 3/4" hole to 520 feet.
 2. Run 500 - 520' of 9 5/8 - 36# surface casing.
 3. Cement casing to surface. 300 Sx construction cement (50% excess), 3% Ca Cl₂ and .05% friction reducer.
- Install Blowout Preventers (Double Schaeffer and Hydril. Pressure Check) Blind Rams 1000 psi, Pipe Rams 1000 psi, Hydrill and Mandrill 1000 psi. Check operation of preventers every 24 hours.

- (1) Drill 7 7/8" hole to T.D. with mud or air as recommended by the wellsite Engineer. Mud maintained with water or lignite 30 - 32 secs VIS to T.D.
 - (2) Run 5 1/2" new casing to T.D. Cor below production (if encountered)
 - (3) 1 to 1 Pozmix, 10% salt, .05 Fric. Red. Considered equivalent with 8% Pozmix .05% Fric. Red.
- State of Utah, Department of Natural Resources
 Division of Oil, Gas, and Mining
 1588 West North Temple
 Salt Lake City, Utah - 84116

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, describe 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 *J.D. Mountain* TITLE *Consultant P. Eng.* DATE *April 18, 1978*

(This space for Federal or State office use)

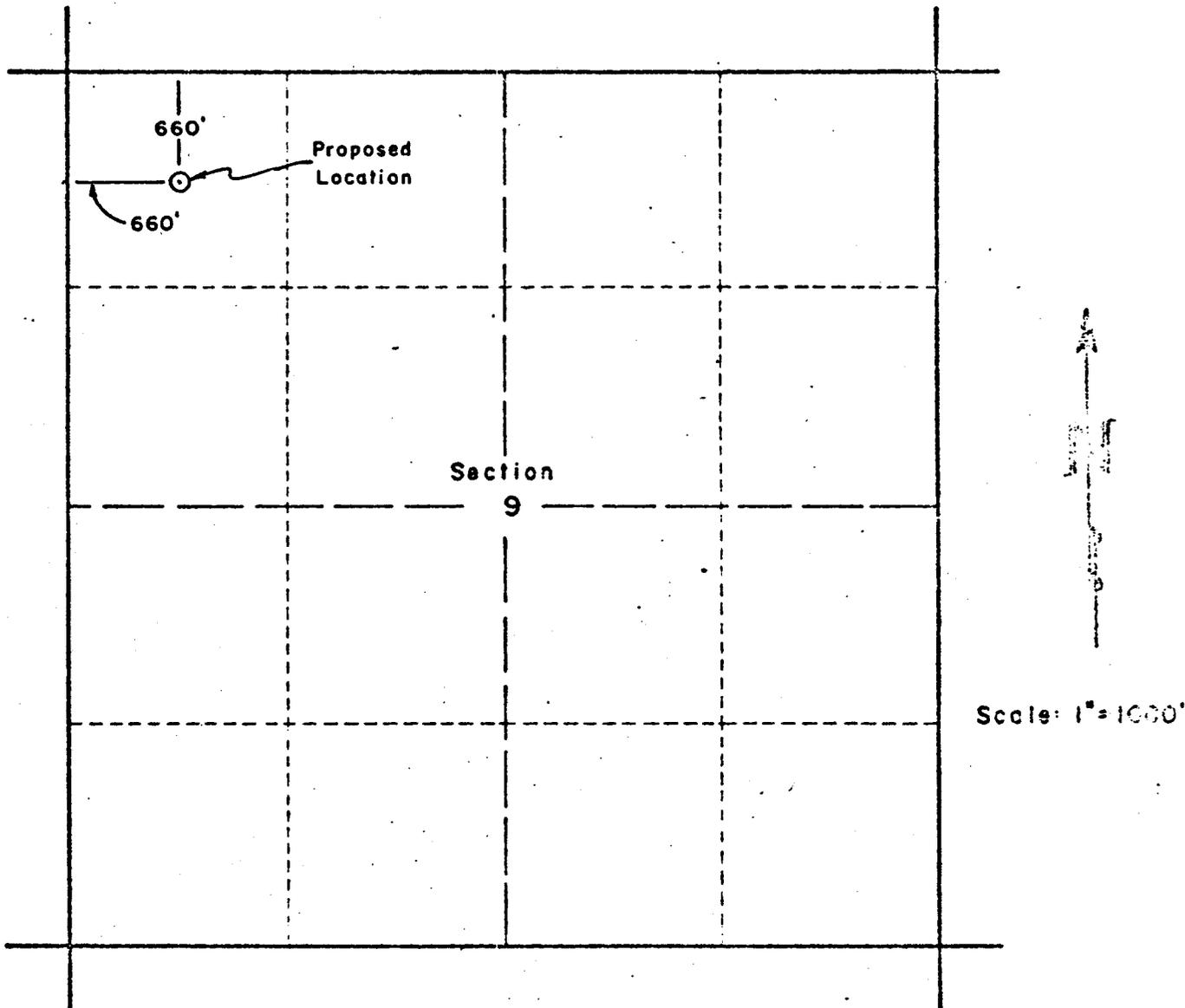
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY *J.D. Daines* TITLE **ACTING DISTRICT ENGINEER** DATE **NOV 9 1978**

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

State O&G



WELL LOCATION: Fulton Oil & Gas, Inc. No. 3 Turkey Knob

Located 660 feet South of the North line and 660 feet East of the West line of Section 9,
 Township 32 South, Range 12 East, Salt Lake Base & Meridian

Existing ground elevation determined at 4912 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor



Fulton Oil & Gas, Inc.
 Reno, Nevada

Well Location Plat

Sec. 9, T32S, R12E

Garfield Co., Utah

Feb. 21, 1978
 78010

Exhibit "B."

FROM: District Geologist Salt Lake City, Utah

TO: District Engineer, Salt Lake City, Utah

Lease No.

416859

SUBJECT: APD supplemental stipulations

Operator: Fulton Oil & Gas Location:

SE 1/4 SE 1/4 sec. 9 T. 32S, R. 12E

Well: Turkey Knob #3 Garfield Co., Utah

1. Operator picked tops are adequate? Yes , No . If not: The following are estimated tops of important geologic markers:

Formation	Depth	Formation	Depth
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2. Fresh water aquifers likely to be present below surface casing? Yes , No . If yes: Surface casing program may require adjustment for protection of fresh water aquifers to a depth of approximately 1100 feet in the Huachuca Formation.

3. Does operator note all prospectively valuable oil and gas horizons? Yes , No . If not: The following additional horizons will be adequately logged for hydrocarbons:

Unit	Depth	Unit	Depth
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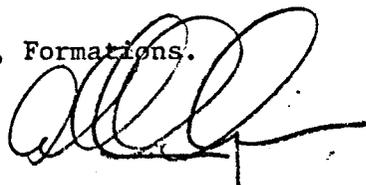
4. Any other leasable minerals present? Yes , No . If yes: 1. Logs (_____ *) will be run through the _____ ** at approximate depths of _____ to _____ feet to adequately locate and identify anticipated _____ beds. 2. Logs (_____ *) will be run through the _____ ** at approximate depths of _____ to _____ feet to adequately locate and identify anticipated _____ beds. 3. Logs (_____ *) will be run through the _____ ** at approximate depths of _____ to _____ feet to adequately locate and identify anticipated _____ beds.

5. Any potential problems that should be brought to operators attention (e.g. abnormal temperature, pressure, incompetent beds, H₂S)? Yes , No . If yes, what?

6. References and remarks:

* From 10 pt or others as necessary. ** Members, Formations.

Date: 5-4-78

Signed: 

Oil and Gas Drilling

EA No. 1047

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-16859

Operator Fulton Oil & Gas, Inc.

Well No. Turkey Knob #3

Location 660' FSN 660' EWL Sec. 9 T. 32S R. 12E

County Garfield State Utah Field Wildcat

Status: Surface Ownership Public Minerals Public

Joint Field Inspection Date May 16, 1978

Participants and Organizations:

William A. Lucias Archaeologist

John Petrie Operator

John Evans USGS

John Mann BLM

Reo Hunt Dirt Contractor

Related Environmental Analyses and References:

(1) Richfield District Oil & Gas EAR, BLM, Utah

(2) Henry Mountain Planning Unit Resource Analysis, BLM, Utah

NOTED JOHN T. EVANS, JR.
6-20-78

Analysis Prepared by:

John T. Evans
Environmental Scientist
Salt Lake City, Utah

Date June 16, 1978

Requires lined pits

Proposed Action:

On April 24, 1978, Fulton Oil & Gas, Inc. filed an Application for Permit to Drill the No. Turkey Knob #3 exploratory well, a 6860 foot oil and gas test of the formations above the Precambrian; located at an elevation of 4912 foot in the NW/4 NW/4 Sec. 9, T.32S., R.12E. on Federal mineral lands and public surface; lease No. U-16859. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 300 ft. wide x 200 ft. and a reserve pit 150 ft. x 100 ft. A new access road will be constructed 16 ft. wide x 0.5 miles long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a flow line will be submitted to the appropriate agencies for approval. The anticipated starting date is May 28, 1978 and duration of drilling activities would be about 40 days.

Location and Natural Setting:

The proposed drillsite is approximately 26 miles south of Hanksville, the nearest town. A good road runs to within 0.5 miles of the location.

The well is a wildcat well.

Topography:

The location is flat and covered with Blow Sand.

Geology:

The surface geology is Entrada. The soil is sandy. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan. Fresh water is possible in Navajo Formation and may require adjustment of surface casing.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, the U. S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a sandy soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. *Due to the flat Terrain this sediment production would be very low at proposed location.* Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the recommendations of the Bureau of Land Management.

Approximately two acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced. Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 6-8 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 6 inches.

Winds are medium and gusty, occurring predominately from east to west. Air mass inversions are rare.

The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The proposed location is relatively flat. Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials of pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh-water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

2-11

Vegetation:

Plants in the area are of the salt-desert-shrub types. Proposed action would remove about two acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing. The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance has been made by Bill Lucias of the proposed action. Appropriate clearances have been obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted light sand color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is visible from a county road. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine, but should this well discover a significant new hydrocarbon source, local, state and possibly national economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

Use of the land is for recreation and livestock. There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Henry Mountain Planning Unit (01-05). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes

generated at the site and would be burned or buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

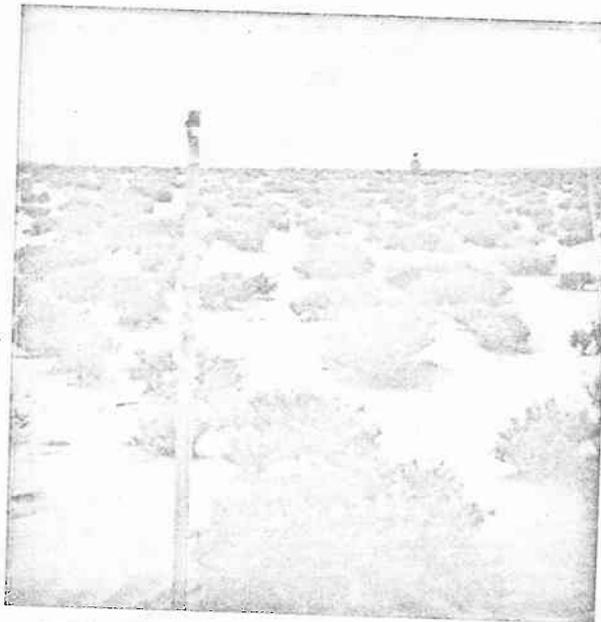
Alternatives to the Proposed Action:

- 1. Not approving the proposed permit--the oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

- 2. Minor relocation of the wellsite and access road would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

- 1. Reserve pit will be lined.
- 2. A Blooey pit will be constructed and placed at least 120' from the well head.
- 3. The Reserve pit will be fenced on three sides prior to drilling activities and completed when drill rig moves out. The fence will be maintained till the reserve pit dries and reclamation procedures started. Reserve pit 100' x 150'.



U-16859 #3
Fulton Oil & Gas, Inc. sec 9 T32S 12E

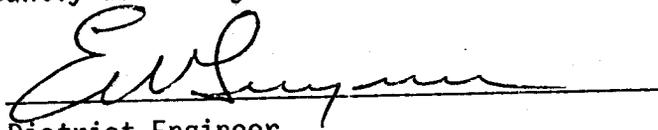
4. A Burn pit will be constructed at least 120' from well head and combustionable materials. This pit will be fenced with small mesh net wire.
5. Water will be obtained from Hanksville.
6. All permanent facilities will be painted a light sand color to blend in with the environment.
7. BLM will be given 48 hours notice prior to construction.
8. BLM will be contacted prior to abandonment for recommendations for rehabilitation.

Adverse Environmental Effects Which Cannot Be Avoided:

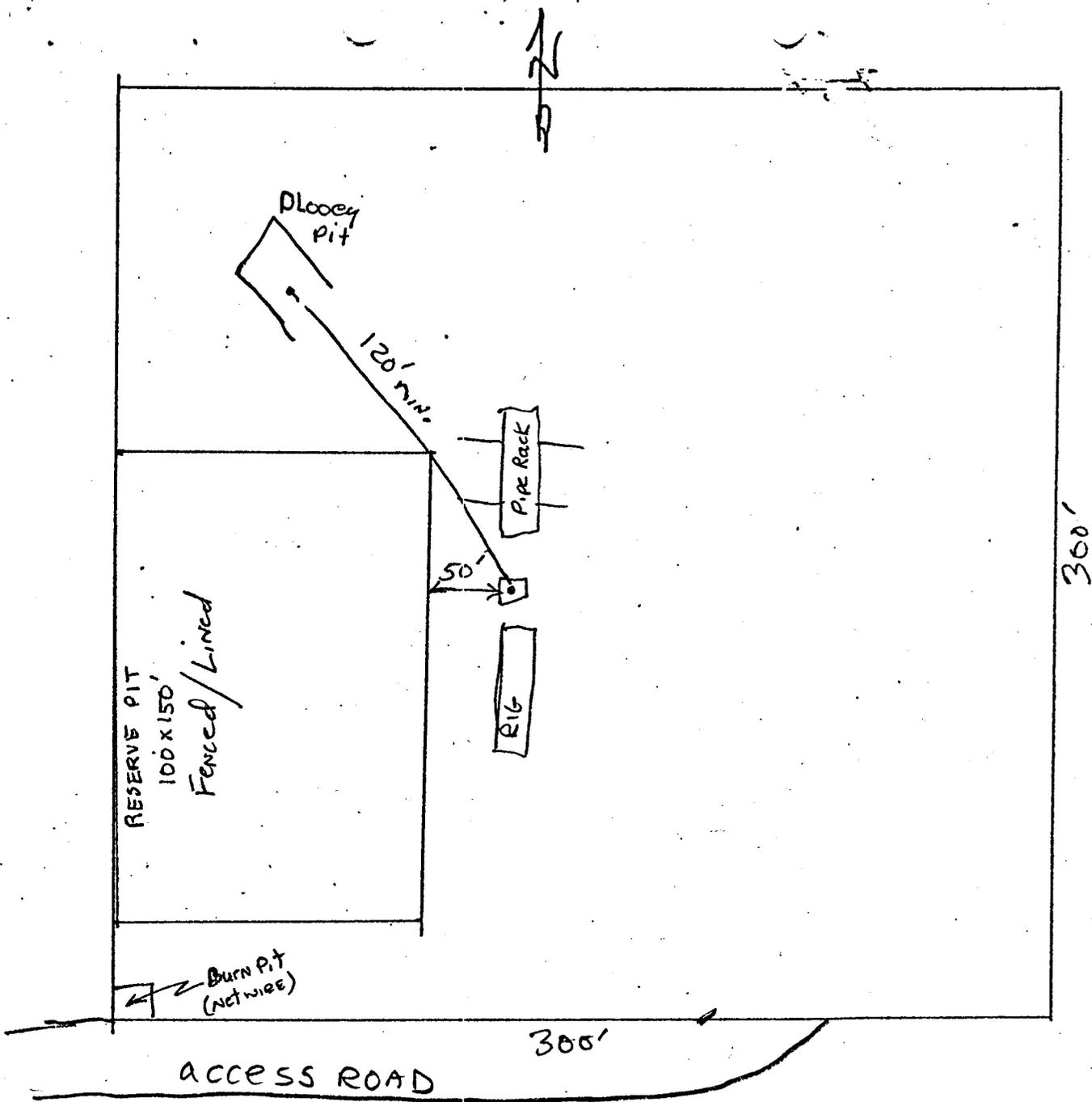
Surface disturbance and removal of vegetation from approximately two acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made.

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(c).



District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



FULTON OIL & GAS, INC.
 TURKEY KNOB # 3

Modified Rig layout
 per joint onsite
 May 16, 78

PROPOSED DRILLING PROGRAM

TURKEY KNOB #3

Location: NW¼ NW¼, Sec 9, Twp 31S, Rge 12E
Garfield County, Utah

Elevation: 4912 feet above sea level

Depth: 6860 feet.

Formation	Depth of Top	Sea Level Datum (Thickness)	Potential
(1) & (2)			(3)
Entrada	Surface		
Carmel S.S.	450	+4462 (100)	---
Navajo S.S.*	550	+4362 (600)	H ₂ O & Gas?
Kayenta Form.	1130	+3762 (200)	?
Wingate S.S.*	1370	+3562 (340)	H ₂ O & Gas?
Chinle Sh.	1690	+3222 (250)	---
Shinarump S.S.	1940	+2972 (30)	Gas & Oil?
Moenkopi Sh.	1990	+2942 (230)	Oil
Kaibab-Sinbad fm.	2200	+2712 (180)	Oil
Coconino-White Rim	2380	+2532 (430)	Oil
Cutler fm.	2830	+2102 (210)	?
Cedar Mesa S.S.	3020	+1892 (860)	?
Rico	3880	+1032 (300)	Oil
Hermosa (Honaker)	4180	+ 732 (360)	Oil-Gas
Transition	4540	+ 372 (90)**	Oil-Gas
Ismay	4630	+ 282 (300)**	Oil-Gas
Paradox	4930	- 18 (20)	?
Desert Creek •	4970	- 38 (40)**	Oil-Gas
Akah	4990	- 78 (160)**	Oil-Gas
Barker Creek	5130	- 238 (190)	Oil-Gas
Pinkerton Trail	5320	- 428 (220)	Oil-Gas
Lim Ridge	5540	- 648 (130)	Oil?
Mississippian	5670	- 778 (650)	Oil
Devonian (ouray)	6320	-1428 (130)	?
Elbert	6450	-1558 (120)	?
McCracken	6570	-1678 (100)	?
Cambrian (Lynch)	6680	-1778 (130)	?
Bowman	6810	-1908 (30)	
Precambrian	6840?	-1938	

*Lost circulation zones

**Reef Zones

(Note: The structural closure will probably increase with depth. Depths prognosed at a maximum and Basement (Precambrian may be reached at less than 6000 feet). This would require an upward adjustment in depth of all horizons).

Deviation: Not over 1° per 300'. Maximum deviation 8°.

- (4) Surface Hole:
1. Drill 12½" hole and set 5 9-5/8" - 36# surface pipe.
 2. Surface Casing - 9-5/8" - 36# with guide shoe and float collar.
 3. Cement - neat cement with 100% excess. Use top and bottom plug. Bleed off pressure after landing plug. If float does not hold shut in head to control flow back. Install preventors after 8 hours if initial set is indicated by cement samples. Drill out after 18 hours using low RPM and low weight to protect surface pipe.

Production Casing: Drill 7-7/8" hole to accommodate 5-1/2" casing or smaller dependent on success of well. Centralizer and scratchers to be placed over production intervals. Use float shoe and float collar. Set full casing weight on Wellhead. 5½" casing use new J-55-14#.

Casing Cement: Cementing of production casing to reach 300 feet above any possible productive zone. If a high cement column is required consideration should be given to cement lighteners, e.g. pozmix, gel, etc.

- (5) Install Blowout Preventers (Double Shaeffer and Hydril):
Pressure Check Blind Rams 1000 p.s.i., Pipe Rams 1000 p.s.i., Hydril and Mandril 1000 p.s.i. Operation of preventers to be checked every 24 hours, and pressure maintained. (See exhibit "C").
- (6) Drilling Fluid: Gel Chemical.
Drill out surface shoe joint with water and dump same. Drill out under surface pipe with mud 30-35Vis. When approaching possible hydrom carbon zones decrease water loss to 6 to 8 cc. and maintain at 9#. Use of desander and/or destiler recommended.
- (7) Auxiliary Equipment to be used:
1. Kelly Cocks.
 2. Floats at the bit on top hole only,
 3. Monitoring equipment on the mud system is considered unnecessary in a shallow hole,
 4. A sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is out of the string will be provided.
- (8) Tests: Multizone tests. Where indicated during drilling and by the logs.

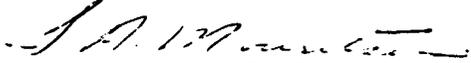
Samples: 10' intervals surface to T.D.

Cores: Shinarump, Moenkopi (vasal), Coconino, Rico, Ismay, Desert Creek and Akah, and deeper cores if interesting section is encountered.

Logs: Induction Electric, Gamma Ray-Neutron-porosity, Sonic Caliper-porosity.

Logging Rate: Induction, Gamma Ray, Caliper
2" = 100'
5" = 100'

- (9) The Blowout preventer and hydril should adequately handle all pressures encountered to the proposed T.D. Fresh air masks will be provided for the crew and a gas sniffer should give adequate warning.
- (10) The anticipated starting date is May 28th, 1978 and the duration of operations in 40 days.


S.A. Mouritsen, P. Eng.



TURKEY KNOB #3Surface Use and Operations Plan

1. Exhibit "A" is a portion of the Bull Mountain Utah Quadrangle that locates the proposed well and other wells in the township. The Lone Cedar road is an existing road and should not need upgrading, (Also see exhibit "B"). Roads will be maintained by a grader or bulldozer contracted at Hanksville, Utah.
2. Access is via 1/2 mile of road to be constructed north from U.S. 95. The road will be built to a maximum width of sixteen (16) feet and grades will not exceed seven percent (7%). No Turnouts will be constructed except on the well site. No culverts are required unless abnormal weather conditions occur. Drainage is to the east and only a dry wash is present just south of the Lone Cedar road. The surface is sand and sandstone. There are no fences, gates or cattleguards. The access road has been surveyed.
3. Refer to Exhibit "A". (No wells within 3 miles), (Turkey Knob #2 location is 3 miles to the Northeast.
4. Initial tank batteries and low lines will be situated on the well pad. If a development program is warranted, a desirable location for a central tank battery will be chosen.
5. Drilling water will be hauled from either Hanksville or Poison Springs Canyon.
6. Refer to Exhibit "A". Use of construction materials is not anticipated.
7. A reserve pit with a capacity of not less than three times the anticipated total mud system shall be constructed and provided with a wire cover for the disposal of solid wastes.
8. No camps or air strips are anticipated.
9. Exhibits "A", "B", "C" and "D" are attached. Pits will be unlined.
10. Upon completion of the well, pits shall be filled and properly leveled. Roads shall be water barred as per instructions. Reseeding shall be conducted in compliance with instructions from the B.L.M. The pits will be fenced prior to rig release and any oil removed from the same.

Continued--

(2)

11. The well site occupies a flat that is covered with blow sand. Vegetation is sparse, some grass and sagebrush are present. The location is on federal land. There are no apparent problems resulting from rough topography or abnormal drainages. No occupied dwellings, archeological, historical, or cultural sites are in the area.
12. S. A. Mouritsen,
3219 - 52nd Avenue N.W.
Calgary, Alberta, Canada
T2L 1V6
13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements 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 FULTON OIL & GAS, INC. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Name:

S. A. Mouritsen

Date:

April 18, 1978

Title:

Consultant P. Eng.

FULTON DRILLING, INC.

RIG NO. 7

RIG: Brewster M-4 Drawworks: American Make-up, double drum, break-out catheads, which double 15" hydramatic brake, air clutches, 1" drilling line, 9/16" sand line.

POWER: Cat D-343 with torque converter.

MAST: 96' Wilson, wire-line raised, 250,000 HLC telescoping mast.

ROTARY TABLE: Ideco 17½" Rotary table, rotary drive bushing.

PUMPS #10 & #2: Wheland 14,000, 6½" x 14" with cat D343 power. Emsco D175, 7½" x 12" duplex with GM 6-71 twin diesel power.

PITS: Two 8 x 40 mud tanks with desander and shale shaker.

BOP EQUIPMENT: Shafer 10" 900 series hydraulic (a double).

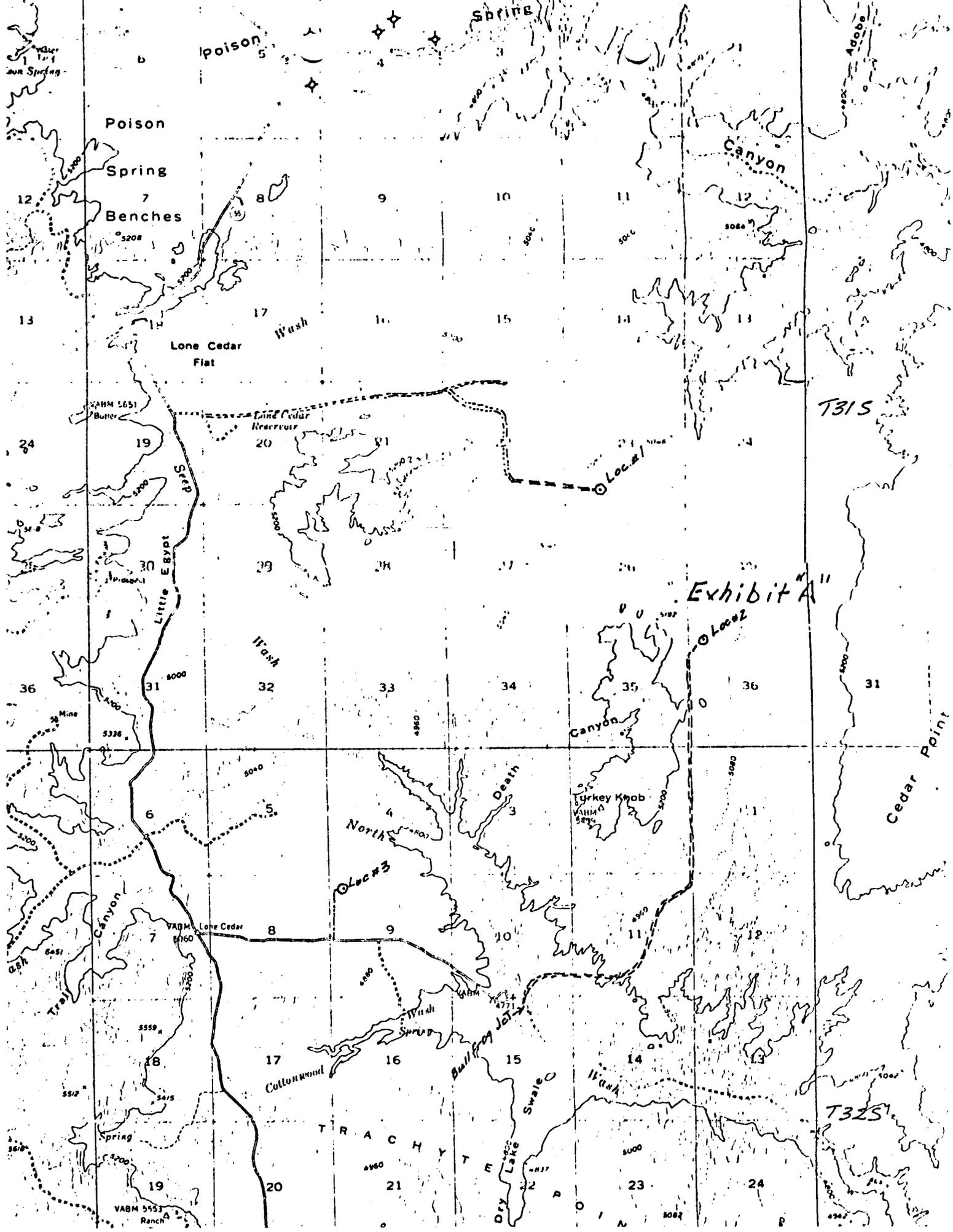
LIGHT PLANTS: Kato 20-KW Generator powered by GM 2-71 diesel.

WATER TANK: 500 gallon.

FUEL TANK: Trailer mounted 3,000 gallons.

DRILL PIPE: 4" O.D.

DRILL COLLARS: 5½".



Poison

Spring

Benches

Lone Cedar Flat

VABM 5651
Butler

Lone Cedar Reservoir

Little Egypt

Mine

VABM 6060
Lone Cedar

Spring

VABM 5553
Ranch

North

Death

Canyon

Turkey Knob

T R A C H Y T E

Dry Lake Swale

Canyon

Exhibit "A"

T315

Cedar Point

T325

Loc #1

Loc #2

Loc #3

12

7

Benches

8

9

10

11

12

13

17

16

15

14

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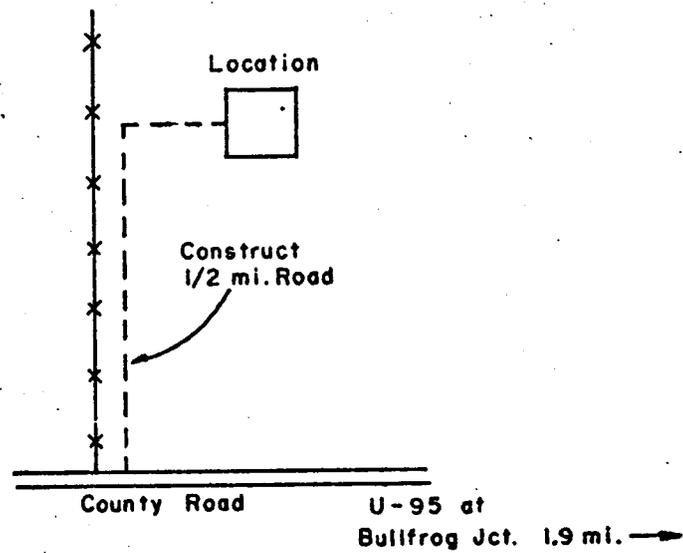
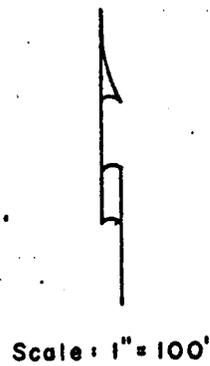
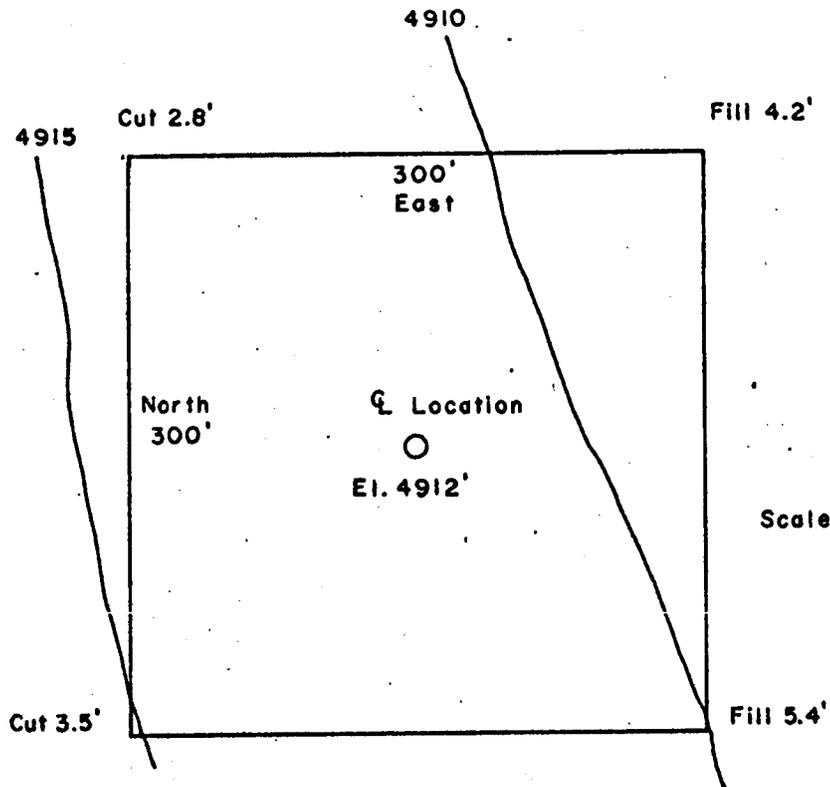
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I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed
 FREDERICK H. REED
 Registered Land Surveyor



Fulton Oil & Gas, Inc. Reno, Nevada	
Well Site Plan No. 3 Turkey Knob Sec. 9, T 32 S, R 12 E Garfield Co., Utah	
CLARK-REED & ASSOC. DENVER, COLORADO	DATE Feb. 21, 1978 FILE NO. 78010

Exhibit B

BOP Stack for Fulton Oil & Gas
5000 psi WP.

All hydraulically activated
with accumulator & controls
to be located at least 50'
from well bore

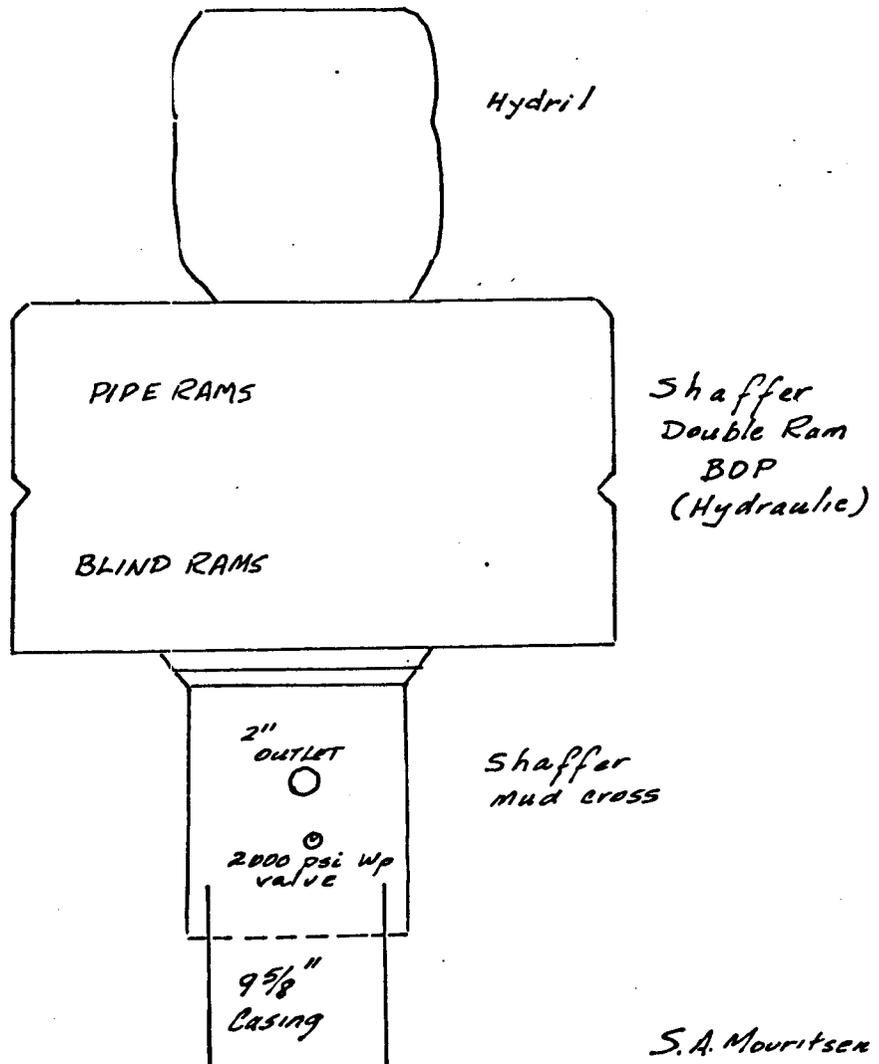
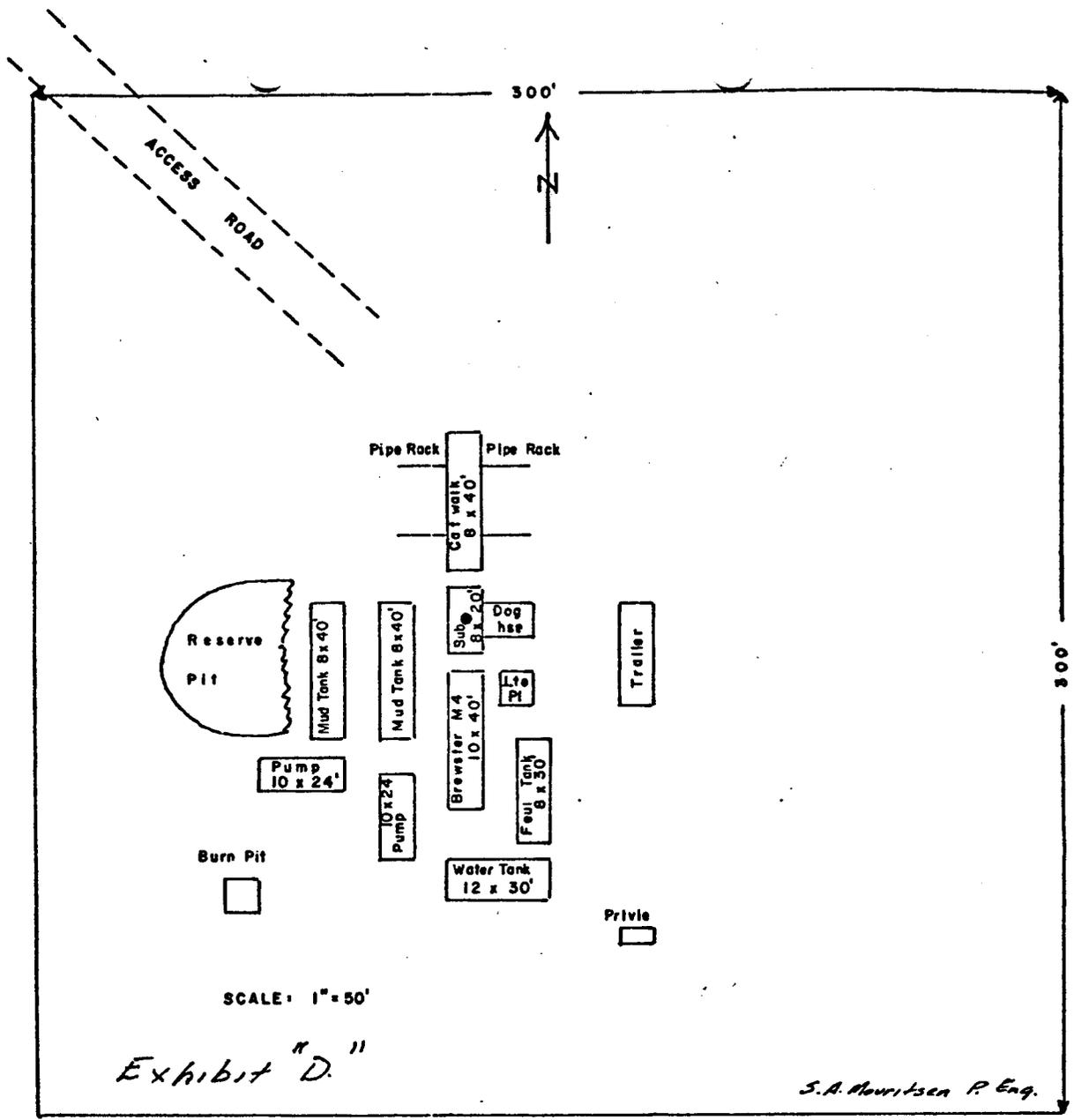


Exhibit "C"

S.A. Mouritsen P. Eng.



FULTON OIL & GAS, INC.
 TURKEY KNOB No. 1
 Sec. 23, T31S, R12E SLM.
 Garfield County, UTAH
 PROPOSED RIG LAYOUT

Exhibit "D"

Fulton Oil & Gas, Inc.
Well #Turkey Know #3
Sec. 9-32S-12E
Garfield County, Utah
U-16859

Supplemental Stipulations:

1. No offsite parking or surface disturbance is allowed.
2. No vehicle traffic except on designated access routes.
3. A wire mesh cage will be placed over the trash pit.
4. Water for the drilling and associated operators will be obtained at Hanksville.
5. At the completion of the drilling program the disturbed area will be ripped and recontoured to, as near as possible, the original contours.
6. Reseeding will be done in October and November.
7. Rehabilitation will be completed to the satisfaction of the Area Manager.
8. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil, and rehabilitation.

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: April 23, 1979

Operator: Fulton Oil & Gas, Inc.

Well No: Turkey Know #3

Location: Sec. 9 T. 32S R. 12E County: Garfield

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-017-30078

CHECKED BY:

Administrative Assistant: Application NOT
Remarks: approved by this office;
Petroleum Engineer: well never drilled
Remarks:
Director: _____
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3

O.K. In _____ Unit

Other:

Letter Written/Approved

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

August 27, 1980

Fulton Oil & Gas, Inc.
c/o Rimrock Mining Corp.
1604-London House
505-4th Ave. S.W.
Calgary Alberta T2P0J8

*Previously
Lee. Abach. by
Utah over Gas
(4-23-79)*

Re: Returned Application for
Permit to Drill
Well #Turkey Knob 3
Section 9, T. 32S., R. 12E.
Garfield County, UT
Lease #U-16859
Application Approved: November 9, 1978

Gentlemen:

The Application for Permit to Drill the referenced well were approved. Since that date no known activity has transpired at the approved location. The conditions of approval state under Item No. 10 that Applications for Permit to Drill are effective for a period of one year. In view of foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location on a future date a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then, be submitted. Your cooperation in this matter is appreciated.

Sincerely

(ORIG. SGD.) W. P. MARTENS

Sor
E.W. Gynn
District Engineer

bcc: ADCM, Oil & Gas, NCR, Casper
SMA
State Office (O&G) ✓
State Office (BLM)
USGS-Vernal
Well File
APD Control

RAH/cva