

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB REPORT/abd \_\_\_\_\_

Location abandoned well never drilled  
 \* application resented by U. S. G. S.

DATE FILED 4-7-80  
 LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-38364 INDIAN \_\_\_\_\_

DRILLING APPROVED: 4-24-80

SPUDDED IN: \_\_\_\_\_  
 COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_  
 GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_  
 PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_  
 WELL ELEVATION: 4658' GV 8-10-81  
 DATE ABANDONED: \* 8-10-81 Location abandoned well never drilled

FIELD: 3/16 GTR CISCO AREA  
 UNIT: \_\_\_\_\_

COUNTY: GRAND

WELL NO. AMBRA-BOWERS #7-2 API# 43-019-30633

LOCATION 660' FT. FROM (N) ~~LINE~~ 1000' FT. FROM (E) ~~LINE~~ NE NE' 1/4 - 1/4 SEC 7

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				20S	24E	7	AMBRA OIL & GAS CO.

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  
Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR  
115 South Main, Ste. 420, Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 660 FNL 1000' FEL, Section 7, T20S, R24E NENE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
11 miles northeast of Cisco, Utah

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

16. NO. OF ACRES IN LEASE  
160 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40 acres

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

19. PROPOSED DEPTH  
2150' Salt Wash

20. ROTARY OR CABLE TOOLS  
rotary-air

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4658' GR

22. APPROX. DATE WORK WILL START\*  
May 10, 1980

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	55-8 5/8" new	32 lbs.	160'	35 sacks (cement to surface)
6 3/4"	55-4 1/2" new	10.5 lbs	2150'	65 sacks (cement into Mancos)

Will be drilled to test the Salt Wash.  
 All shows encountered will be tested.

Blowout equipment to be used:

Hydrill Type GK, 10" B.O.P.  
 Tested to 5000 PSI  
 With a 500 series power accumulator

*Blind and pipe rams will be required together with choke and fill lines of proper size & working pressure*

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 4-24-80

BY: M. J. Winder

**RECEIVED**  
 APR 07 1980

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 [Signature]

TITLE Production Manager DATE 4-4-80

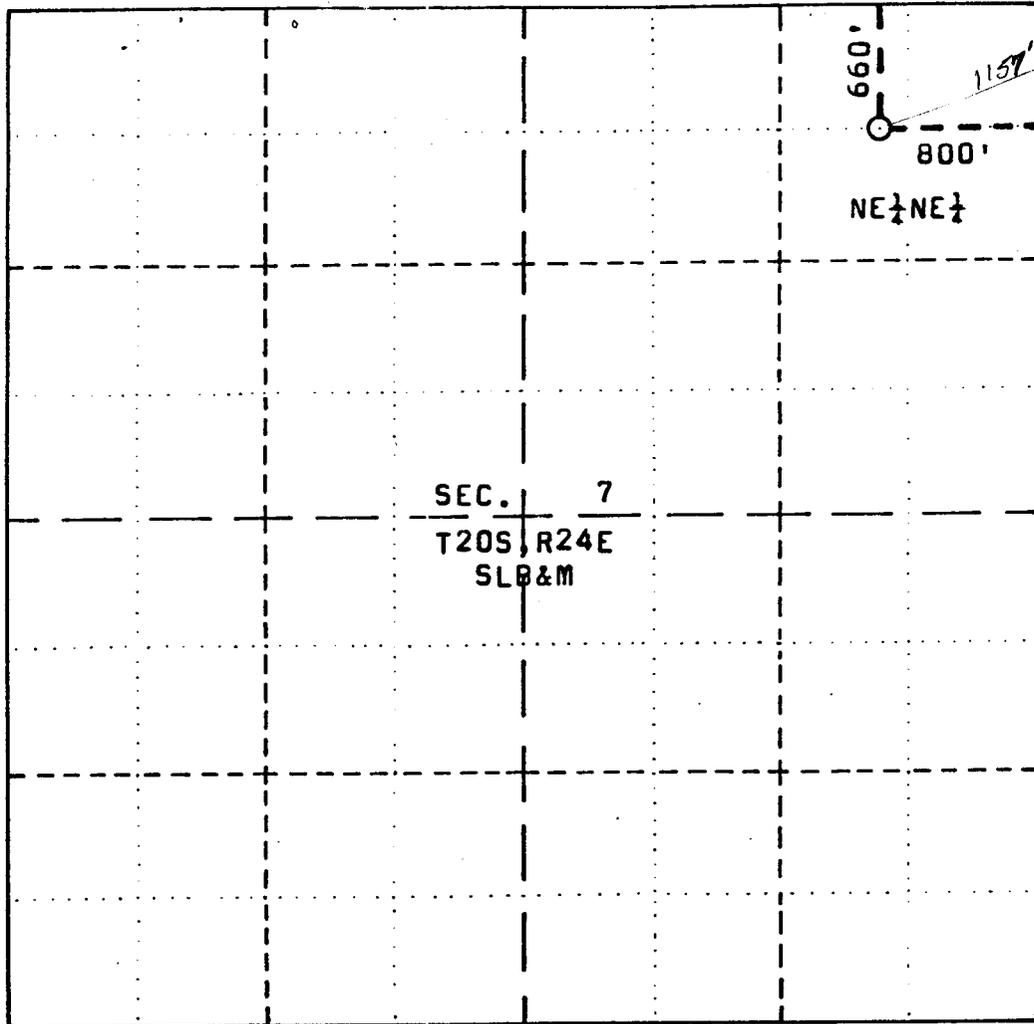
(This space for Federal or State office use)

PERMIT NO. 43-019-3633 APPROVAL DATE 4/24/80

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

CONDITIONS OF APPROVAL, IF ANY:

1678-1690  
Producing Buckhorn  
Moose  
• 300 FWL  
300 FWL



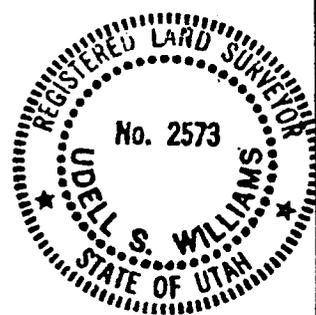
SCALE: 1" = 1000'

AB FED 7-2

Located South 660 feet from the North boundary and West 800 feet from the East boundary of Section 7, T20S, R24E, SLB&M.

Elev. 4658

Grand County, Utah



SURVEYOR'S 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

*Udell S. Williams*  
UTAH R.L.S. NO. 2573



**UDELL S. WILLIAMS**  
751 Road Avenue  
GRAND JUNCTION, COLORADO 81501

PLAT OF  
PROPOSED LOCATION  
**AB FED 7-2**  
**NE 1/4 NE 1/4 SECTION 7**  
**T20S, R24E, SLB&M**

SURVEYED BY: **USW** DATE: **3/20/80**  
DRAWN BY: **USW** DATE: **3/20/80**

Oil and Gas Drilling

EA #356-80

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date: June 16, 1980

Operator: Ambra Oil & Gas Company      Project or Well Name and No.: 7-2  
Location: 660' FNL & 1000' FEL      Sec.: 7 T.: 20S R.: 24E  
County: Grand      State: Utah      Field/Unit: Cisco Springs  
Lease No.: U-38364      Permit No.: N/A

Joint Field Inspection Date: May 14, 1980

Prepared By: George Diwachak

Field Inspection Participants, Titles and Organizations:

George Diwachak	Environmental Scientist USGS
John Connors	Petroleum Engineer USGS
Elmer Duncan	Surface Protection Specilaist BLM
Wes Pettingill	Geologist Ambra
Dallas Galley	President Galley Construction

Related Environmental Analyses and References:

(1) Book Mountain Planning Unit - Unit Resource Analysis BLM, Moab, Utah.

rk/6/20/80

*Admin Compl?  
Pd 150 x 200  
100 x 200  
200 x 200  
Flowline not used  
Cond of Perm 8/6/80  
192  
3-5  
Noted - G. Diwachak*

DISCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location State: Utah  
County: Grand

660' FNL, 1000' FEL, NE 1/4 NE 1/4

Section 7, T20S, R24E, SL M.

2. Surface Ownership Location. Public.  
Access Road: Public.

Status of  
Reclamation Agreements: Not Applicable.

3. Dates APD Filed: April 7, 1980.  
APD Technically Complete: April 16, 1980.  
APD Administratively Complete: April 7, 1980.

4. Project Time Frame

Starting Date: upon approval.

Duration of Drilling activities: 5 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year, revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:  
None known.
6. Nearby pending actions which may affect or be affected by the proposed action: None known.
7. Status of Variance Requests: None known

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 150' wide x 200' long and a reserve pit 20' x 60' would be constructed. Approximately 800 feet of new access road, averaging 15' driving surface, would be constructed from a maintained road. 2.0 acres of disturbed surface would be associated with the project. Maximum disturbed width of access road would be limited to 20'.

Final equipment and pit alignment will be determined when a drilling rig is secured. Adjustments to the alignment reported in the APD may be necessary; however the operator was instructed to utilize safe drilling techniques, a minimum 125 ft. blowie line and to confine all equipment and pits to the approved pad disturbance.

2. Drilling
3. Waste disposal. A chemical toilet will be used for human waste. Garabage and trash would be confined to a fenced trash pit and burned and buried upon cleanup of wellsite.
4. Traffic
5. Water requirements would involve travel over unimproved roads from Cisco Springs. Since Air drilling techniques would be used water requirements are minimal.
6. Completion
7. Production equipment should be confined to the disturbed area of the drill pad, however they were not requested in the APD.
8. Transportation of hydrocarbons were not requested with the APD. The operator reports that flowline facilities would be applied for if commercial quantities of hydrocarbons are ~~expected~~  
encountered.

Details of the proposed action are described in the Application for Permit to Drill.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: The location is within the Cisco Desert, flat to rolling hills grading to the talus flanked Book Cliffs.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected: None

Information Source: Mineral Evaluation Report, Mining Report

2. Hazards: Location and access road to be built on Mancos shale which is stable provided slopes are moderate and moisture content is low.

Information Source: Field Observation

b. Subsidence: None Expected

Information Source: Field Observation

c. Seismicity: Seismic risk for the area is low. No impacts expected.

Information Source: Rocky Mountain Assoc. of Geologists.

d. High Pressure Zones/Blowout Prevention: No high pressure zones expected. BOP system is detailed in APD.

Information Source: APD, Mineral Evaluation Report

B. Soils:

1. Soil Character: Topsoil would be stripped and stockpiled requiring revegetation upon abandonment.

Information Source: BLM, Field Observation

2. Erosion/Sedimentation: Erosion would increase especially during periods of heavy precipitation, however considering the lack of summer precipitation in the area impacts would be minimal.

Information Source: Field Observation, APD

C. Air Quality: Wellsite is in Class 2 attainment area. Drilling activities and vehicle operations would decrease air quality temporarily from exhaust emissions and fugitive dust considering short drilling time, impacts would be minimal.

Information Source: Field Observation, Utah State Health Dept.

D. Noise Levels: Ambient noise levels would increase temporarily from machinery and equipment operation, affecting wildlife and livestock in a distributional sense.

Information Source: Field Observation

E. Water Resources

1. Hydrologic Character

a. Surface Waters: No perennial drainages exist in area. Siltation to the Colorado River could occur. Water for drilling would be obtained from Cisco Springs in Sec. 9-T20S-R23E. The operator has an agreement with a Private contractor for water use.

Information Source: Field Observation

b. Ground Waters: Commingling of aquifers is possible, but could be reduced by adequate casing program. No fresh water is expected.

Information Source: Field Observation, Mineral Evaluation Report.

2. Water Quality

a. Surface Waters: No perennial waterways nearby. Spill potential to live surface waters is minimal.

Information Source: Field Observation

b. Ground Waters: Insignificant impacts are expected since air drilling techniques would be employed.

Information Source: Field Observation, APD

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the Formal comments received from BLM on June 13, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Plants in the area of the salt desert shrub varieties. Vegetation would be removed by pad construction increasing non-point erosion and decreasing soil fertility. Complete revegetation would be necessary upon abandonment.

Information Source: Field Observation, BLM

3. Fauna: Wildlife would be disturbed temporarily in a distributional sense. Habitat destruction would be minimal.

Information Source: Field Observation

G. Land Uses

1. General: Grazing and hydrocarbon exploration are major activities in area. Recreation is minimal. Well operations would slightly reduce grazing potential of area.

Information Source: Field Observation

2. Affected Floodplains and/or Wetlands: N/A

Information Source: Field Observation

3. Roadless/Wilderness Area: N/A

Information Source: BLM

H. Aesthetics The operation does not blend in with natural surroundings, however, considering the short duration of drilling and magnitude of drilling operations in the area this action would pose minimal impacts to area aesthetics. Painting any permanent equipment a color to blend with the surrounding environment would reduce visual impacts.

Information Source: Field Observation

I. Socioeconomics: The remoteness of the area limits any socioeconomics impacts in Grand County, Utah. Most services and personell would commute from Grand Junction Colorado, (50 miles east) which is presently experiencing substantial growth due to increased regional hydrocarbon exploration activities.

Information Source: Field Observation

J. Cultural Resources Determination: Based on the Formal comments received from BLM on June 13, 1980, we determine that there would be no effect on cultural resources.

Information Source: BLM

K. Other: None

Information Source:

L. Adequacy of Restoration Plans: The restoration plans meet the minimum requirements of NTL-6. Additional restoration recommendations have been supplied by the BLM.

Information Source: APD, BLM, Field Observation

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.

2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:

- a. About 2 acres of vegetation would be removed, increasing and accelerating erosion potential.
- b. Pollution of groundwater systems <sup>could</sup> would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
- c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
- d. The potential for fires, leaks, spills of gas and oil or water exists.
- e. During construction and drilling phases of the operation, noise and dust levels would increase.
- f. Distractions from aesthetics during the lifetime of the project would exist.
- g. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to area non-perennial drainages would exist through leaks and spills.
- h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

2. Conditional Approval:

- a. All adverse impacts described in section one above would occur, except that painting any permanent production facilities a color to blend with surroundings would reduce visual impacts.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached Lease Stipulations. *None*
2. See attached BLM Stipulations.

3 All permanent production facilities would be painted a color to blend with the natural surroundings.

4. The access road will be changed to run due east to the wellsite as agreed upon at the onsite inspection.

5. The reserve pit will be fenced on three sides during drilling and on the fourth side once the rig moves out. Fences shall remain until the pit is rehabilitated.

Controversial Issues and Conservation Division Response:

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination.

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

*Ed Simpson* DISTRICT ENGINEER  
Signature & Title of Approving Official

JUN 25 1980  
Date



## SELECTED REFERENCES

- Anderson, B.A. 1979, Desert Plants of Utah: Cooperative Extension Service, Utah State University, Logan, Utah. 146 p.
- ~~Bureau of Land Management, 1976, Proposed Kaiporowits Project, Utah, Arizona, Nevada and California, Final Environmental Statement: U.S. Government Printing Office, Washington, D.C., 3514 p.~~
- Bureau of Land Management, 1979, Final Initial Wilderness Inventory, Utah: U.S. Department of the Interior, BLM, Salt Lake City, Ut., 50 p.
- Bureau of Land Management, 1979, Intermin Management Policy and Guidelines for Lands Under Wilderness Review: U.S. Department of the Interior, BLM, Washington, D.C., 32 p.
- Keller, E.A., 1976, Environmental Geology: C.E. Merril Publishing Company, Columbus, Ohio. 488 p.
- Rocky Mountain Association of Geologists, 1972, Geologic Atlas of the Rocky Mountain Region: Denver, Colorado. 331 p.
- ~~U.S. Geological Survey, 1979, Development of Coal Resources in Southern Utah, Final Environmental Statement. Department of the Interior, U.S. Geological Survey, Washing, D.C. 611 p.~~
- Wilson, LeMoyne, et.al, 1975, Soils of Utah: Agricultural experiment Station, Bulletin 492, Utah State University, Logan, Utah. 94 p.
- Zarn, Mark, 1977, Ecological Characteristics of Pinyon-Juniper Woodlands on the Colorado Plateau: U.S. Dept. of Interior, Bureau of Land Management, Technical Note 310, Denver, Colorado 183 p.



# United States Department of the Interior

IN REPLY REFER TO

3100  
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

June 4, 1980



Memorandum

To: Oil & Gas Office, USGS Conservation Division,  
P.O. Box 1037, Vernal, Utah 84078

From: Area Manager, Grand

Subject: Ambra Oil & Gas Co.  
Ambra-Bowers 7-3, Lease U-38364  
SWNE, Section 7, T. 20 S., R. 24 E., SLB&M  
Grand County, Utah

On May 14, 1980, a representative from this office met with George Diwachak, USGS, and Wes Pettingill agent of Ambra Oil and Gas Company for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Ambra Oil and Gas Company.

*Aug R. Dawson* ACTING

Enclosures (2)  
1-Reclamation Procedures  
2-Seed Mixture

## STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 24 hours prior to beginning construction of access road and pad.

Stockpile the surface 12 inches of topsoil in a wind-row on the west side of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from subsurface deposits is exposed during the operation.

The trash pit will be at least six feet deep and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM and USGS publication).

If production is obtained, all production facilities will be painted "desert tan" or a similar color approved by the Grand Resource Area Manager.

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

Stipulations agreed to during field examination:

New access road will be constructed from existing access to Bowers 1-7 (this road will go nearly due west from the road to 1-7, between this abandoned location and a fenced reservoir to the new Ambra-Bowers 7-3 well site).

<u>SPECIES</u>		<u>LB/ACRE</u>
<u>Grasses</u>		
Oryzopsis hymenoides	Indian Rice Grass	1
Hilaria jamesii	Curley Grass	1
<u>Forbs</u>		
Sphaeralcea coccini	Globe Mallow	1
<u>Shrubs</u>		
Artiplex confertifolia	Shadscale	1
Ceretoides lanata	Winter Fat	1
		<hr/> 5

# RECONTAMINATION PROCEDURES IN GRAND POND SOURCE AREA

1. Disk or rip pads and access roads.
  - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
  - a. Lay berms into centers.
  - b. Use cut material for fill areas.
  - c. Lay stockpiled surface soil over top of pads and spread evenly.
  - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
  - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2%	Grade	-	200 ft. intervals
2-4%	Grade	-	100 ft. intervals
4-5%	Grade	-	75 ft. intervals
5%	Grade	-	50 ft. intervals

\* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

FROM: DISTRICT GEOLOGIST, M SALT LAKE CITY, UTAH  
TO: DISTRICT ENGINEER, O&G SALT LAKE CITY, UTAH  
SUBJECT: APD MINERAL EVALUATION REPORT

*Glenn*  
LEASE NO. 11 38364

OPERATOR: Am bra WELL NO. 7-2

LOCATION: 1/2 NE 1/2 NE 1/2 sec. 7, T. 20S, R. 24E, SLM  
Grand County, Utah

Stratigraphy: *moncos - surface*  
*Dakota 1500*  
*Cedar mtn 1610*  
*Morrison 1700*  
*Salt + Wash 1930*  
*TD 2150*

Fresh Water: *none probable*

Leasable Minerals: *gas from Dakota to TD*

Additional Logs Needed: *adequate*

Potential Geologic Hazards: *none expected*

References and Remarks:

30 APR REC'D

Signature: *[Signature]* Date: 4-15-80

*Oil and Gas*  
*7-205-24E*  
*7-2*

Memorandum

*Glenn*

To: District Oil and Gas Engineer, Mr. Edward Gynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. 41-38364 Well No 7-2

1. The location appears potentially valuable for:

- strip mining\*
- underground mining\*\*
- has no known potential.

2. The proposed area is

- under a Federal lease for \_\_\_\_\_ under the jurisdiction of this office.
- not under a Federal lease under the jurisdiction of this office.
- Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

\*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at \_\_\_\_\_ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

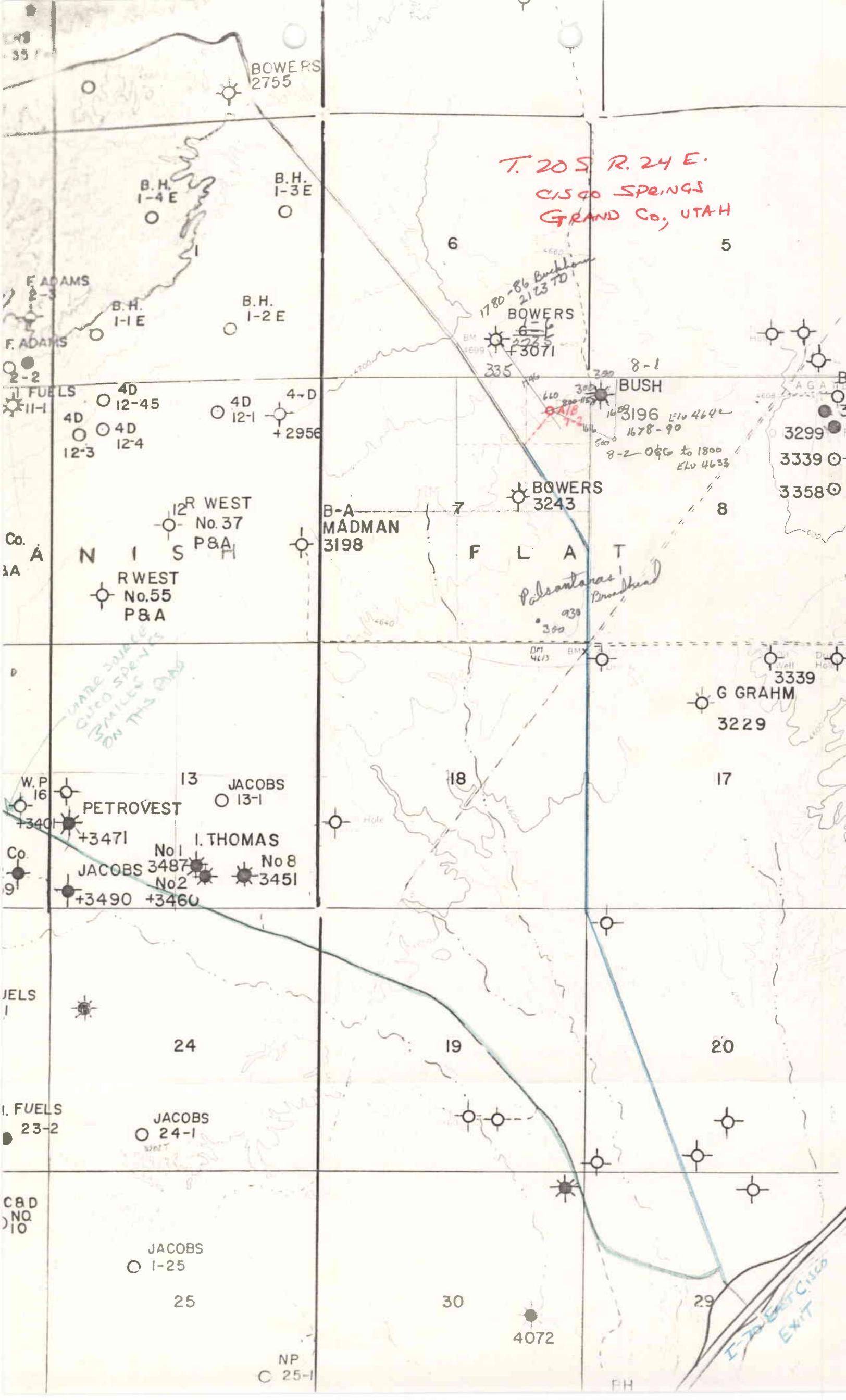
\*\*If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen Z. Vance*

30 APR REC'D

T. 20 S. R. 24 E.  
CISCO SPRINGS  
GRAND CO., UTAH



# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main - Salt Lake City, Utah 84111  
(801) 532-6640

March 27, 1980

U.S. Geological Survey  
1745 West 1700 South  
2000 Admin. Building  
Salt Lake City, Utah 84104

RE: NTL-6  
Supplementary Information  
For APD, 9-331-C

Attn: Mr. Ed Guynn

Application for Ambra Oil & Gas Co., a Utah Corporation, to drill in the NE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 7, T 20 S, R 24 E, Grand County, Utah is set forth on Form 9-331C. This letter is to set forth the additional information required on the NTL-6 regulation.

1. Geologic name of surface formation: Cretaceous Mancos shale.

2. & 3. Geologic tops and formation depths:

Cretaceous	Mancos Shale	surface
	Dakota	1,500'
	Cedar Mountain	1,610'
Jurassic	Morrison	1,700'
	Salt Wash	<u>1,930'</u>

4. Casing program: See Form 9-331C.

5. Pressure control equipment: Operator will use 8 5/8" good PSI spool with hydrill BOP above spool. A 8 5/8" 5,000 PSI spool will be used above BOP. A rotating head will be used above the flow line spool. The BOP is bag type, 10" G.K. hydril 1,500 with a 500 series power connection. BOP will be tested every 24 hours during daily operations.

6. Drilling and circulating medium: The drilling rig has a Gardner Denver air compressor and will drill with air and air mist into pay sands. In the event high gas or oil pressures are encountered, a weighted salt base mud will be used to control pressures and keep well under control.

7. Auxiliary equipment: (1) Kelly Cock incorporated in the rig. (2 & 3) not required (4) safety sub with fill opening valve to be stabbed into drill pipe when Kelly is not on string.

8. Testing, logging, coring: No D.S.T.'s programmed. Operator will drill to T.D. and set 4 1/2" casing if oil or gas saturated sands are present. Well cuttings will taken at each 10 foot interval and checked by a certified geologist for shows of oil and/or gas and logged for lithologic and stratigraphic evaluation. When T.D. is reached, well bore will be logged by Schlumberger with CNFD and DIL surveys. No coring is programmed.

9. Operator anticipates normal pressures not to exceed 1,000 lbs. at 2,150'. No hydrogen sulfide problems are expected.

10. Drilling operations will begin May 10, 1980 and completion is anticipated in five working days.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently 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 Ambra Oil & Gas Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4-4-80  
Date

[Signature] Production Manager  
Name and Title

# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main • Salt Lake City, Utah 84111  
(801) 532-6340

U.S. Geological Survey  
2000 Admin. Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

RE: Ambra-Bowers 7-2  
Multipoint Requirements  
to Accompany APD

Attention: Mr. Ed Gynn

## 1. Existing Roads

a. Proposed well site is staked.

b. Route and distance from nearest town. Well site is located eleven miles northeast of Cisco, Utah. Exit at the east Cisco Bookcliff exit on I-70 then turn to the north coming to the first intersection of the county roads, follow straight ahead four miles past the sheep corrals and the compressor road until you come to our surveyor's marker which indicates the access road's entrance to the 7-2 and 7-3 wells. For the 7-2 well, turn northeast (right). The length of this road is approximately 800 feet.

c. Access road is color coded in red with the existing road color coded in blue on the enclosed topo map.

d. does not apply.

e. If development well, list all the existing roads within a one mile radius of well site. This includes the main county road which runs from the southeast to northwest through the NE $\frac{1}{4}$  of section 7. It continues onto the Cottonwood Ranch. There is also an access road which follows the south section line of section 12 from this main county road. There is an access road which crosses section 7 on the extreme southeast corner in a southwest to northeast direction which goes to the Agate oil field. There is also an access road which forks off the main county road where it crosses the northeast corner of section 7 and this road continues north along the east boundary line of section 7 to the Danish Wash oil and gas field. The only other existing access road originates at the extreme southeast corner of section 7 and heads due east along the section 8 south boundary line to the Northwest Pipeline compressor station.

f. Plans for improvement and/or maintenance of existing roads. In the event of production, operator will work to maintain a graded and an improved road year-round. This will require cooperation with the other operators in the area to maintain this road.

## 2. Planned Access Roads

1. Width: 15' bladed out on flat land.
2. Maximum grades: two degrees.
3. turn-out: access road straight, no turn-outs are needed.
4. Drainage design: small borrow pits on each side for easy drainage.
5. Location of culverts and brief description of any major cuts and fills. No culverts are wanted or needed in this area. Land is flat desert with small weeds growing. There are no major cuts or fills in this area.
6. Surfacing material. none needed. Land will be disturbed little. No foreign material is needed.
7. Necessary gates, cattleguards, or fence cuts: none needed in this area.
8. New or reconstructed roads: the operator will utilize the main county road which cuts through the NE $\frac{1}{4}$  of section 7 in a southeast to northwest direction. From this main county road, a new access road will be surface scraped 800' northeast to the 7-2 location.

## 3. Location of Existing Wells

- a. Producing wells in a one mile radius:
  1. Sec 6 T20S, R24E, Bowers 6-1, gas
  2. Sec 8 " " , Bush, oil and gas
- b. Producing wells in a two mile radius:
  1. Sec 2 T20S, R23E, Frank Adams 2-2, oil
  2. Sec 11 " " Inland Fuels 11-1, gas
  3. Sec 8 T20S, R24E, Bush, oil
  4. Sec 8 " " , Bush, oil

c. No water well, disposal wells, or injection wells in this one mile radius.

4. Location of Existing and/or Proposed Facilities

a. 1. Tank batteries: The operator maintains an oil tank battery on the Levon #1 well in Section 11. This tank battery will not be used if production is established with this well. New tank batteries will be installed on the Ambra-Bowers 7-2 location if oil production is established.

2. Production facilities: operator maintains a 3-stage separator on the Levon #1 well in section 11. They also maintain a 2-stage separator on the Browndirt well in section 14. Neither of these production facilities can be utilized if production is established on the Ambra-Bowers 7-2. If we have production, such equipment will be installed.

3. Oil gathering line: none-only tank at location if oil production is hit.

4. Gas gathering line: Northwest Pipeline in the NE $\frac{1}{4}$  of section 7 and on the south boundary line of section 7.

5. Injection lines: none

6. Disposal lines: none

b. 1. If new facilities are contemplated in the event of production: a sundry notice will be submitted to the USGS and BLM area office with an exact sketch of the area showing planned production facilities. All open and exposed pits will be fenced to protect livestock and wildlife and an earthen fire bunker will be built around any tanks. Gas lines will be laid on the surface to the main 6" grand gas collection system operated by Northwest Pipeline. A time schedule for this will be within a 60-day period upon completion of the well and subject to approval of the sundry notice and any subsequent right-of-way.

c. 1. Plan for rehabilitation of disturbed areas: no longer needed for operation after construction. Pits will be fenced until fluid evaporates and then filled in. That will be reseeded anywhere from October 15 to November 15 as required by the BLM. The seeding mixture prescribed by the BLM will be used. The surface area is flat, however, this area will be graded to the original contours. Also note, construction and rehabilitation will be limited to the original well pad. All stock pile surface soil will be graded back over location after contouring for subsequent reseeding.

5. Location and Type of Water Supply

a. Location and type of water supply either on map or by written description: Cisco Springs, west of location, north on the main Cisco Springs Danish Flat road - 5 miles. Indicated in green on enclosed map.

b. State method of transporting water: water tank truck.

c. No water well is planned or needed.

6. Source of Construction Materials

The location will be on Federal land so if any sand or gravel is needed, it will be brought into the area from a private source in Thompson, Utah, 21 miles west. Until production is established, the road will be surface scraped dirt (shale) road from the existing road to the proposed well location. However, no construction materials are needed. This is a flat desert land on Mancos shale formations. Bladed roads that are watered and packed down are the best roads in this area. When disturbed a great deal, the road is poor and not easy to travel. When lightly bladed with borrow pits on the side for drainage, no material is needed.

7. Method For Handling Waste Disposal

Cuttings and drilling fluids will be discharged via air into a reserve pit. Portable chemical toilet will be on location for sewage. Garbage and waste material will go in trash pits, fenced with mesh screen then burned and buried when work is completed. Location will be cleaned and all materials not burned will be hauled away. Produced fluids (oil and water) will go to tanks and pits, respectively. The blowey line will be 125' long, centered and angled down into a trench pit. It will be anchored. The blowey line will be misted while drilling with air. The area will be free of trash and debris when rig is moved out.

8. Auxiliary Facilities

None other than a trailer and dog house. No camp or air strip required.

9. Well Site Layout

1. Cross section of drill pad with cuts and fills 200' x 200' location is flat, no cuts or fills are needed. Surface soil will be stock piled on the west side of location 12" high.

2. Mud tank, reserve, burn and trash pits, etc. See drawing.

3. See drawing.

4. Pits are to be unlined.

10. Restoration Plans

1. Backfill of pits and all surface holes will be completed and will be leveled to the original contour of the land before drilling. Waste disposal will be accomplished as follows: all portable waste will be burned and buried in the waste pit. All other trash will be hauled out of the area.

2. Revegetation and Rehabilitation: the grounds including the access road will be conditioned and revegetated and seeded as per BLM requirements, that being regrading of the surface soil and reseeding to take place from October 15 to November 15.

3. After the rig is moved.

4. If there is oil in the pit, we will either remove it or install overhead flagging.

5. Time they will perform commencement of rehabilitation operations: rehabilitation of the well site area will be completed within 60-days after the spud date. With the exception of the reseeding following BLM instructions. We will restore location back to original condition before rig moved in.

11. Other Information

The location is part of the Green River desert area. No trees grow on the Mancos shale valley, only sagebrush and shad. Cattle graze the area in fall and spring seasons. There is no water and very little vegetation. Cisco Springs is 4 miles away and the nearest town, Cisco is 11 miles to the southwest with practically no dwellings and no evidence of historical, cultural nor archeological value. There will be no other surface use.

12. Operator

Ambra Oil & Gas Company  
115 South Main Street  
Suite 420  
Salt Lake City, Utah 84111

Telephone: (801) 532-6640

Attention: Mr. Tony Cox, Mr. Wes Pettingill

13. Certification

The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; 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 AMBRA OIL & GAS COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4-4-80

*[Handwritten Signature]* Production Manager

Date

Name and Title

# DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah  
SERIAL NO.: U-38364

and hereby designates

NAME: Ambra Oil & Gas Company  
ADDRESS: Suite 430, 115 S. Main, Salt Lake City, UT 84111

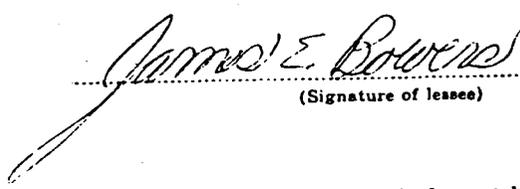
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T20S, R24E, SLM  
Section 7: NE¼  
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

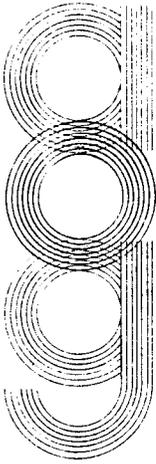
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

  
.....  
(Signature of lessee)

.....2-22-80.....  
(Date)

P.O. Box 636, Grand Junction, CO 81502  
(Address)



# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main - Salt Lake City, Utah 84111  
(801) 532-6640

April 3, 1980

Mr. Glen Doyle  
U.S.G.S.  
Grand Junction Dist. Office  
31 North 6th Street, Ste. 300  
Grand Junction, Colorado 81501

Dear Glen:

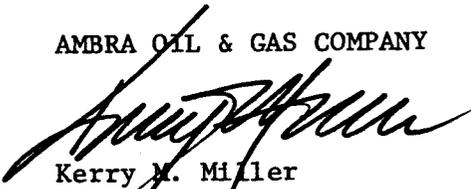
I have concluded a series of conversations with Mr. Jim Laraley of Dalgarno Transport, Grand Junction, Colorado. He does all the water hauling for Stan Starner (Starner Drilling). He stated that Dalgarno Transport purchases water from individuals on the Colorado river and from various water operations in Mack, Colorado. He is sending me copies of his State of Utah and Colorado purchasers to haul and purchase water. I will forward these to you upon receipt. I might add, that in my discussions with the State of Utah and Colorado District Water Engineers, both expressed adverse opinions towards any U.S.G.S. involvement in their governing of water or proof of existence of any so called permits to purchase water.

I have been assured by Jim Laraley that Dalgarno does purchase its water from private individuals and does not arbitrarily take water from any persons without permission and/or subsequent payment. On the basis of this information, I as the operator's representative can inform you that a water agreement does exist. They are, however, verbal or a varied number of written. Therefore, to furnish you a copy of such agreements is not possible at this time.

If you have any comments or questions, please contact me personally at your convenience.

Sincerely,

AMBRA OIL & GAS COMPANY



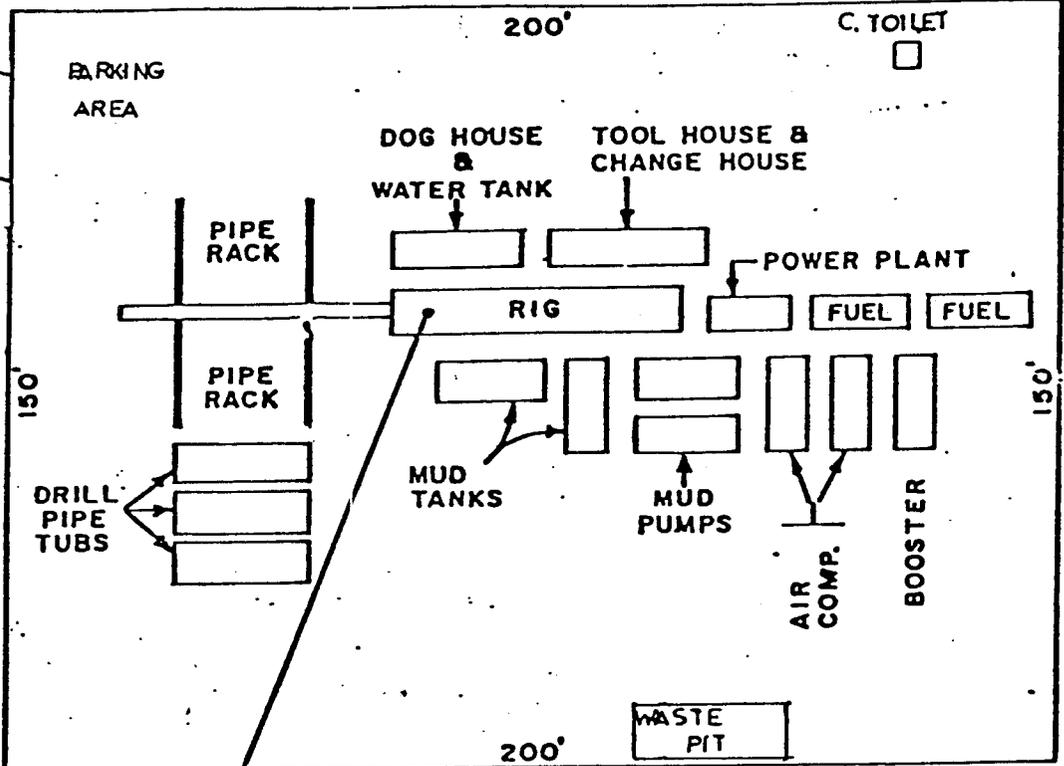
Kerry M. Miller  
Production Manager

KMM:kf



SCALE: 1" = 40'

PROPOSED ROAD

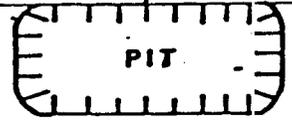


TOP SOIL STOCKPILE 12" HIGH

150'

150'

200'

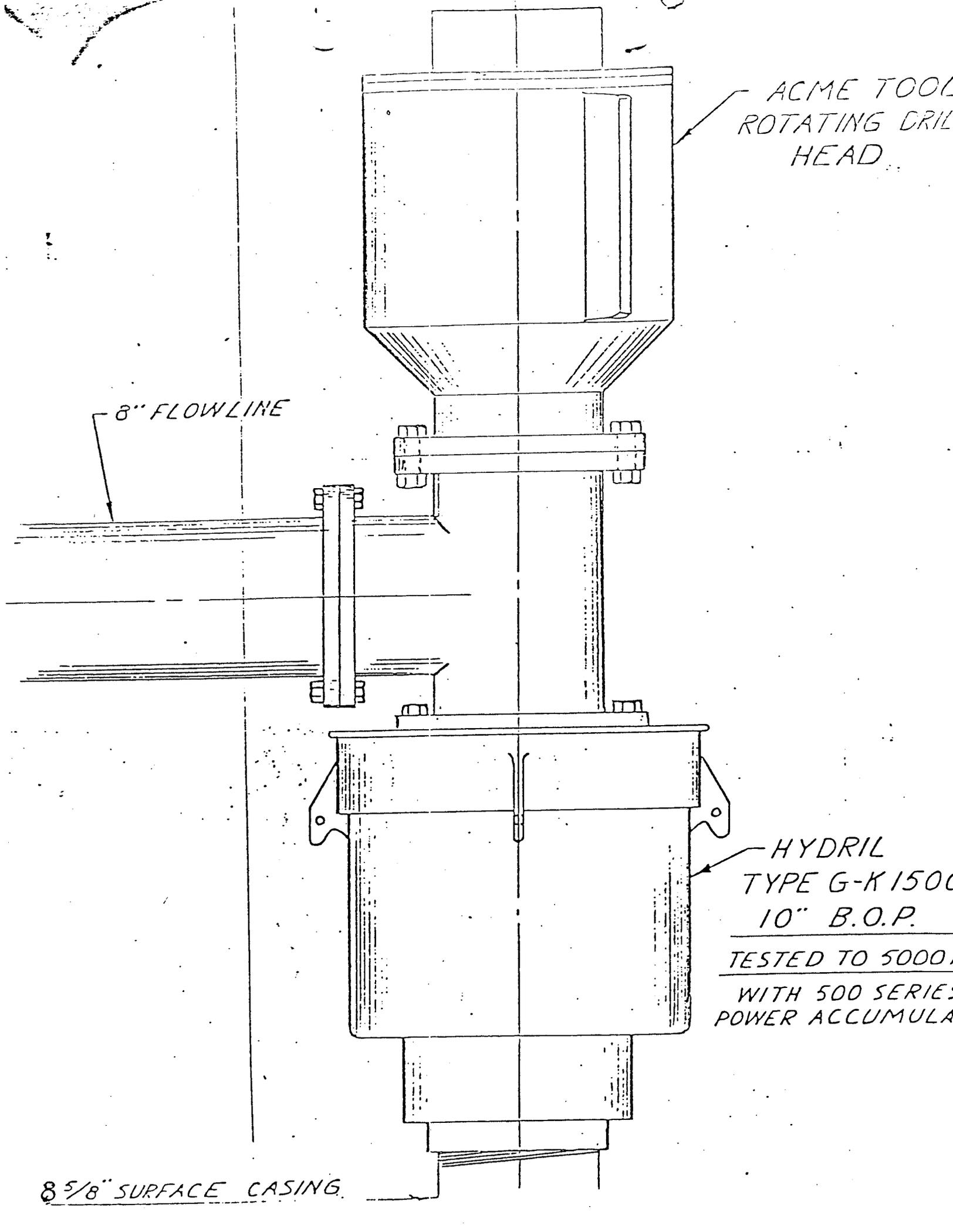


ACME TOOL  
ROTATING DRILL  
HEAD

8" FLOWLINE

HYDRIL  
TYPE G-K 1500  
10" B.O.P.  
TESTED TO 5000  
WITH 500 SERIES  
POWER ACCUMULA

8 5/8" SURFACE CASING



\*\* FILE NOTATIONS \*\*

DATE: April 7, 1980

Operator: Amber Oil + Gas Company

Well No: Amber-Bowers # 7-2

Location: Sec. 7 T. 20S R. 24E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-019-30633

CHECKED BY:

Geological Engineer: \_\_\_\_\_

Petroleum Engineer: M.J. Minder 4-24-80 Hold!

West Pottsgal will submit new location called 4-11-80 Approved  
conditioned on blind & pipe runs will be required together with choke;  
Director: fill lines of proper size and working pressure

may be too close to Bush #8 - sending copy of lease

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 102-16B 11/15/79

O.K. Rule C-3

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

Lease Designation Geol

Plotted on Map

Approval Letter Written   
Wm

#3

hl  
PI

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-38364

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Ambra-Bowers

9. WELL NO.

Ambra-Bowers 7-2

10. FIELD AND POOL, OR WILDCAT

Cisco Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 7, T 20 S. R 24 E.

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR  
Ambra Oil and Gas CO.

115 S. Main St. Ste. 420, Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

660 FNL and <sup>1000</sup>~~800~~' FEL, Section 7  
T. 20 S., R 24 E.

14. PERMIT NO.

43-019-30633

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4658' GR

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Location Move

(Other)

Location Move

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

17. 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.)\*

State of Utah has requested and we have complied with the following change :

Move the well location from 800' FEL to 1,000' FEL making it 660' FNL and 1,000' FEL of section 7, T 20 S, R 24 E. Location was re-surveyed and a new plot is enclosed

WELL FILE COPY

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 4-24-80

BY: M. J. Maider

RECEIVED  
APR 22 1980

DIVISION OF OIL, GAS & MINING

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

SIGNED

*[Signature]*

TITLE Production Manager

DATE 4/21/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

April 28, 1980

Ambra Oil and Gas Company  
115 South Main, Suite 420  
Salt Lake City, Utah 84111

Re: Well No. Ambra-Bowers #7-2  
Sec. 7, T. 20S, R. 24E.,  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated November 15, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30633.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Petroleum Engineer

/b:cm

cc: USGS

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

RECEIVED

AUG 11 1981

DIVISION OF  
OIL, GAS & MINING  
August 10, 1981

Ambra Oil & Gas Company  
115 South Main, Suite 420  
Salt Lake City, Utah 84111

Re: Return Application for  
Permit to Drill  
Well No. 7-2  
Section 7, T. 20S, R. 24E.  
Grand County, Utah  
Lease No. U-38364

Gentlemen:

The Application for Permit to Drill the referenced well was approved July 14, 1980. Since that date no known activity has transpired at the approved location. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the 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.) E. W. GUYNN

E. W. Guynn  
District Oil and Gas Supervisor

bcc: DCM, CR, O&G, Denver  
BLM-Moab  
State Office (O&G)  
State Office (BLM)  
USGS-Vernal  
Well File  
APD Control

RAH/TM/tm