

UTAH DIVISION OF OIL, GAS AND MINING

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

LOCATION ABANDONED 3-5-80

DATE FILED 5-8-78

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-31262

INDIAN

DRILLING APPROVED: 5-10-78

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 3-5-80 LOCATION ABANDONED WELL NEVER DRILLED

FIELD: Cisco 3/86 Theater Cisco

UNIT:

COUNTY: Grand

WELL NO. Federal 348

API NO: 43-019-30441

LOCATION 062'762' FT. FROM ~~XX~~ (S) LINE. 1980' FT. FROM (E) ~~XX~~ LINE. SW SE 1/4 - 1/4 SEC. 8

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>21S</u>	<u>23E</u>	<u>8</u>	<u>TEXAS AMERICAN OIL CORP.</u>				

ABANDONED

FILE NOTATIONS

Entered in NID File	.....✓.....	Checked by Chief	*.....
Location Map Pinned	.....✓.....	Approval Letter	.....
Card Indexed	.....✓.....	Disapproval Letter	.....

COMPLETION DATA:

Date Well Completed	.....	Location Inspected	.....
W..... WW..... TA.....		Bond released	.....
GW..... OS..... PA.....		State or Fee Land	.....

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... MI-L..... Sonic.....
CLog..... CLog..... Others.....

11-14-90 for

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
Texas American Oil Corp.

3. ADDRESS OF OPERATOR
251 One Park Central
1515 Arapahoe St., Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1980' FEL & ~~662~~⁷⁶²' FSL of Sec. 8 (SW SE) 3041
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
4 miles NW of Cisco, Utah

5. LEASE DESIGNATION AND SERIAL NO.
U-31262

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
3-8

10. FIELD AND POOL, OR WILDCAT
Cisco

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 8, T21S, R23E

12. COUNTY OR PARISH 13. STATE
Grand Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 662'

16. NO. OF ACRES IN LEASE 440

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2940'

19. PROPOSED DEPTH 1800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ground Elev. 4504'

22. APPROX. DATE WORK WILL START*
June 15, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	New 8 5/8" OD	24# H-40	350'	150 lbs cmt to surface
7 7/8"	New 4 1/2" OD	9.5# K-55	1800'	as required

BOPs will be installed as soon as surface casing is set and cemented and will be checked daily. A fresh water gel-chemical mud between 9-9.5 lb/gal will be used as a drilling fluid. No abnormal pressure zones are expected.

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, 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 Alan C. Zuel TITLE Agent DATE May 4, 1978

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY A.P. Kozla TITLE AGING DISTRICT ENGINEER DATE DEC 12 1978

CONDITIONS OF APPROVAL, IF ANY:

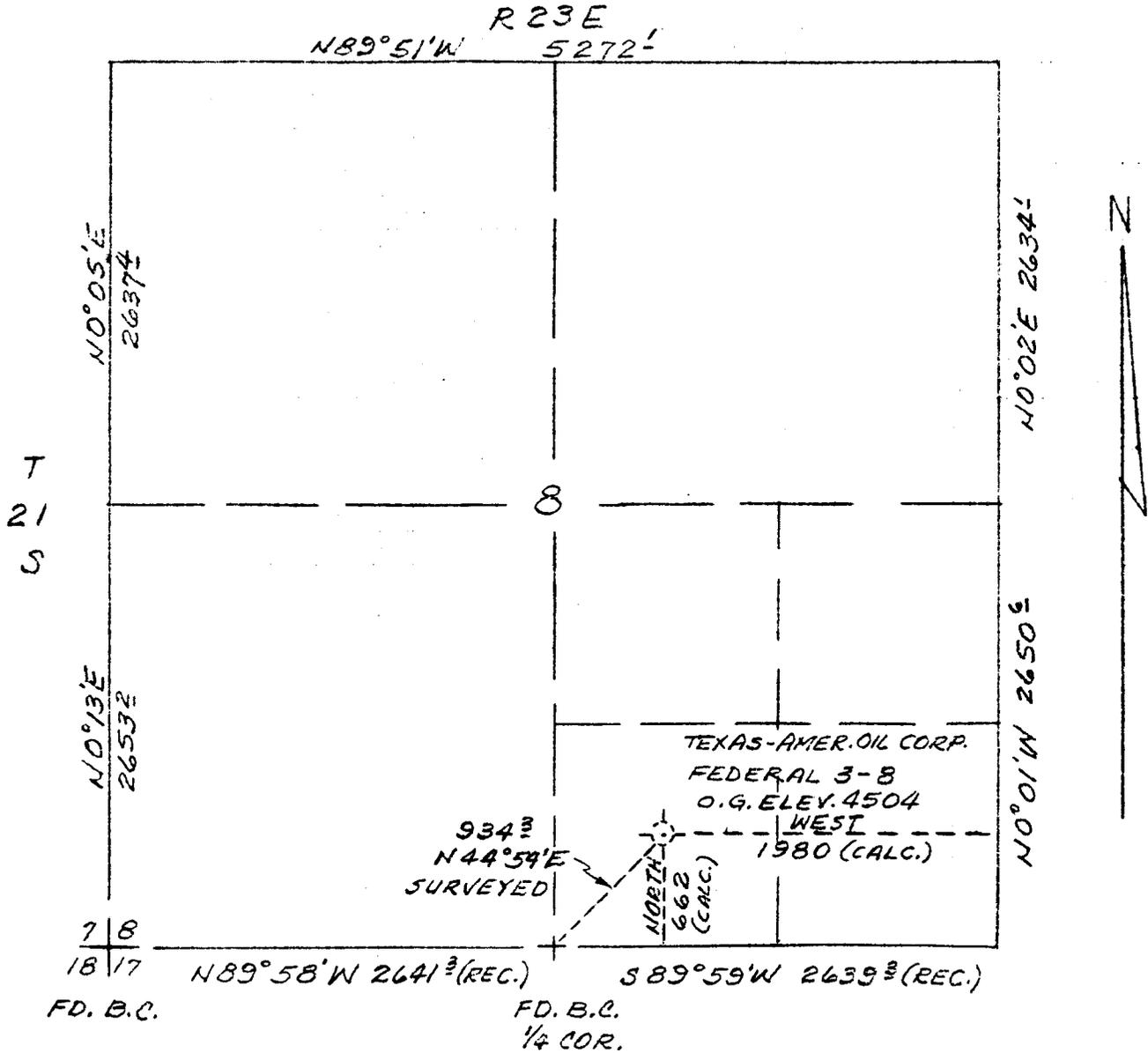
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY *See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

State of G

WELL LOCATION PLAT



WELL LOCATION PLAT OF
 TEXAS AMERICAN OIL CORP. FED. 3-8
 IN SW 1/4 SE 1/4, SEC. 8, T 21 S, R 23 E, S.L.B. #M.
 GRAND COUNTY, UTAH
 SCALE: 1" = 1000' APRIL 28, 1978
 DISTANCE METER SURVEY

ELEV. BY VERT. ANGLES FROM U.S.G.S. TOPG.
 QUAD. "CISCO, UTAH" 1958 (SW COR., SEC. 8 = 4540)

John P. Keogh
 UTAH REG. D. L.S. N° 1963

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

Usual Environmental Analysis

Lease No. U-31262

Operator Texas American Oil Corporation Well No. 3-8

Location 1,980' FEL, 762' FSL Sec. 8 T. 21 S R. 23 E

County Grand State Utah Field Cisco

Status: Surface Ownership Public Minerals Public

Joint Field Inspection Date May 16, 1978

Participants and Organizations:

Dalles Galley

Casada Construction

Rocky Curnutt

Bureau of Land Management

John T. Evans

USGS

Alan Teel

Operator

Related Environmental Analyses and References:

- (1) Book Mountain Unit Resource Analysis, Bureau of Land Management, Utah
- (2)

Analysis Prepared by:

John T. Evans
Environmental Scientist
Salt Lake City, Utah

Date June 14, 1978

NOTED JOHN T. EVANS, JR.
for 16 June 78

*Petrified wood
discovered on location.
BLM says move loc.
100' south. JTE
11/25/78*

Proposed Action:

On May 8, 1978, Texas American Oil Company filed an Application for Permit to Drill the No. 3-8 exploratory well, an 1,800-foot gas test of the Dakota, Morrison and Entrada formations; located at an elevation of 4,504 feet in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 21 S., R. 23 E., on Federal mineral lands and Public surface; lease No. U-31262. 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 drillpad 125 feet wide by 325 feet long, and a reserve pit 50 feet by 100 feet. Upgrade 18 feet wide by 1-1/2 miles access road from an existing and improved road.

The operator proposes to construct production facilities on the disturbed area of the proposed drillpad (175 feet by 325 feet).

If production is established, plans for a gas flow line will be submitted to the appropriate agencies for approval. The anticipated starting date is June 15, 1978, and the duration of drilling activities would be about 7 days. Details of production facilities were not provided. However, the operator was requested to provide details to the U. S. Geological Survey.

← Note

Location and Natural Setting:

The proposed drillsite is approximately four miles northwest of Cisco, Utah, the nearest town. A poor road runs to the location. This well is in the Cisco field.

Topography:

The location is in a flat broad valley floor that slopes to the east but more so to the south. The area has several hills formed by weathering of the soft surface formation.

Geology

The surface geology is Mancos shale. The soil is silty clays and shale. 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. No water is anticipated at test depth.

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.

A geologic review of the proposed action has been furnished by the Area Geologist, 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 silty clay to a clay type 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.

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 roads 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; however, data from the White River Shale Project infers that the existing air quality relative to Federal Ambient Air Quality Standards is good. 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. Air inversions do occur in the Cisco area.

Precipitation:

Annual rainfall should range from about 6 to 8 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial 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 west to east. Air mass inversions are rare.

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

Surface Water Hydrology:

The proposed location is in a broad, wide valley of Cisco Wash. Cisco Wash drains into the Colorado River.

No water will be used from Bureau of Land Management lands for the drilling operation unless permitted by BLM.

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.

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.

No fresh water is anticipated. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

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 inhabit on the project area. The fauna of the area consists predominatly 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 would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archeological 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 are judged to be minor. All permanent facilities placed on the location would be painted a 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 predrilling levels.

The site is not visible from a major 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. The overall effect of oil and gas drilling and production activity are significant in Grand County, Utah, 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 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:

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 Book Mountain Planning Unit. 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 EAR 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 USGS 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 or any special, restrictive stipulations or modifications to the proposed program 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.

↗ If production is established, an access road to BLM standards for an all-weather crowned and ditched road with a maximum disturbed area of 24 feet.

↗ The burn pit is to be fenced with wire net and moved at least 120 feet from the wellhead.

Adverse Environmental Effects Which Cannot Be Avoided:

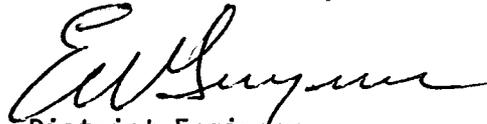
Surface disturbance and removal of vegetation from approximately two acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife 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. Erosion from the site would eventually be carried as sediment in the Colorado River. The

EA No. 1068

potential for pollution to Cisco Draw would exist through leaks and spills.

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

Texas American Oil Corporation
Well 3-8, T. 21S., R. 23E.
Lease U-31262

Supplemental EA No. 1068A
John Evans
Environmental Scientist
Grand Junction, Colorado

During the archaeological study of the area, petrified wood, which is uncommon in the Mancos Formation, was located in the proposed area of the drill pad. The BLM, has requested the proposed location be moved 100' north to avoid the apparent source of the wood on the location.

Surface impacts would be similar to the original location. The BLM could help in the relocation of the stake as they have requested to be present during construction activities.

Alternatives to the Move:

The extent and importance of this resource could be evaluated by excavation, however, avoidance would probably be the best economic solution.

It is possible that additional deposits of wood could be discovered during construction that would require additional mitigation.

Determination:

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

12/6/78

Date

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



Noted - G. Diwachak

FROM: District Geologist, Salt Lake City, Utah

TO: District Engineer, Salt Lake City, Utah

Lease No. U-32162

SUBJECT: APD supplemental stipulations

Operator: Texas American Oil Corp. Location: 1980' FEL, 762' FSL

sw $\frac{1}{4}$ se $\frac{1}{4}$ sec. 8 T. 21 S., R. 23 E. SLM

Well: 3-8

Grand 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
Mancos	surface	Morrison	1120
Dakota	900	Salt Wash	1350
Buckhorn	1100		

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 _____ feet in the _____ 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
------	-------	------	-------

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? High pressures have been encountered in other wells in the Morrison Fm.

6. References and remarks: Within $\frac{1}{2}$ mile of Cisco Wash KGS
Ref: USGS Map I-736

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

Date: May 11, 1978

Signed: James E. Keller

TEXAS AMERICAN OIL CORP.
3-8 Federal
SW SE Sec. 8, T21S, R23E
Cisco Field
Grand County, Utah

NTL-6 DATA

1. Surface Formation - Mancos Shale
2. Estimated tops of geologic markers -

Mancos - sfc.	Salt Wash - 1400'
Dakota - 750'	Summerville - 1430'
Morrison - 930'	Entrada - 1550'
3. Estimated depths of oil, gas or water zones -

Gas: Dakota - 750'	Oil: None
Morrison - 930'	Water: None
Entrada - 1550'	
4. Proposed casing program -

200' - New 8 5/8" OD 24#/ft H-40 surface casing
1800' - New 4 1/2" OD 9.5#/ft K-55 production casing
5. 10" 3000 psi Double Ram BOP will be installed as soon as surface casing has been cemented and will be tested prior to drilling out from under surface casing and will be checked daily for operational condition.
6. Drilling fluids will be water and fresh water gel-chemical mud approximating 9 lb/gal.
7. Auxiliary equipment will consist of a bit float and a full opening valve to be available on the rig floor during trips.
8. Open hole logs are planned to be run at total depth. Any zone having significant shows will be drillstem tested. No cores are planned.
9. No abnormal pressure or temperatures are expected nor is hydrogen sulfide gas expected.
10. Anticipated starting date is June 15, 1978, subject to availability of drilling equipment and will take about one week.

TEXAS AMERICAN OIL CORP.
#3-8 Federal
SWSE Sec. 8, T21S, R23E
Cisco Field
Grand County, Utah

MULTI-POINT REQUIREMENTS

1. Existing Roads

- A. Proposed well site as staked. Surveyors plat attached.
- B. Access route is shown on the attached topo map. This route turns North off of I-70 approximately 4 miles West of Cisco onto Windy Mesa Road (N/2 of Sec. 33), proceeds 3 miles Northwesterly to near the center of Sec. 18, turns North-easterly for $\frac{1}{2}$ mile and then follows existing trail to location.
- C. Access roads to location as shown on topo map and as described in "B" above.
- D. Not applicable.
- E. As shown on topo map.
- F. The jeep trail may have to be graded slightly and/or small washes smoothed to permit travel of drilling equipment.

2. Planned Access Roads

None except as described above.

3. Location of Existing Wells

Shown on attached area map.

4. Location of Existing and/or Proposed Facilities

- A. None
- B. Production facilities, if required, will be located on drill site.
 - 2) 175' x 325'
 - 3) None Anticipated
 - 4) Production facilities, if required, will be fenced to protect stock and/or wildlife.
- C. Rehabilitation of disturbed areas will consist of backfilling all pits as soon as dry and leveling location to as near present condition as possible.

5. Location and Type of Water Supply

- A. Location of drilling water supply will be from closest source of fresh water available to hauling contractor.
- B. Hauling contractor. No pipelines are anticipated.
- C. No water wells are anticipated.

6. Source of Construction Materials

- A. Only natural dirt presently on location.
- B. Not applicable.
- C. Not applicable.
- D. Not applicable.

7. Methods of Handling Waste Disposal

- A. Cuttings will be buried in reserve pit.
- B. Drilling fluids will be contained in surface pits and then buried when dry.
- C. Produced fluids will be contained in tanks.
- D. Sewage will be burned or buried.
- E. Garbage and trash will be contained in burn pit and will be burned and buried when pits are backfilled.
- F. Wellsite will be completely rehabilitated and cleaned up when rig has been moved off if dry hole or when well is completed.

8. Ancillary Facilities

None planned.

9. Well Site Layout

See attached plat.

10. Plans for Restoration of Surface

- A. All pits will be backfilled and leveled as soon as dry. Location will be graded to as near present condition as possible.
- B. Reseeding, if applicable, will be according to BLM spec.
- C. Pits will be fenced on three sides while drilling and on fourth side when drilling rig moves out until pits are dry.
- D. Any surface oil accumulation will be picked up or burned.
- E. All rehabilitation will be accomplished as soon as pits are dry and location can be cleaned up, weather permitting.

11. Other Information

- A. Topography at location is reasonably flat with shaley surface. Very sparce vegetation, mostly sagebrush.
- B. No other surface use known.
- C. No close proximity of water sources, occupied dwellings, archeological, historical or cultural sites.

12. Lessee's or Operator's Representative

Alan C. Teel
251 One Park Central
1515 Arapahoe St.
Denver, Colo. 80202
303-572-1137

13. Certification

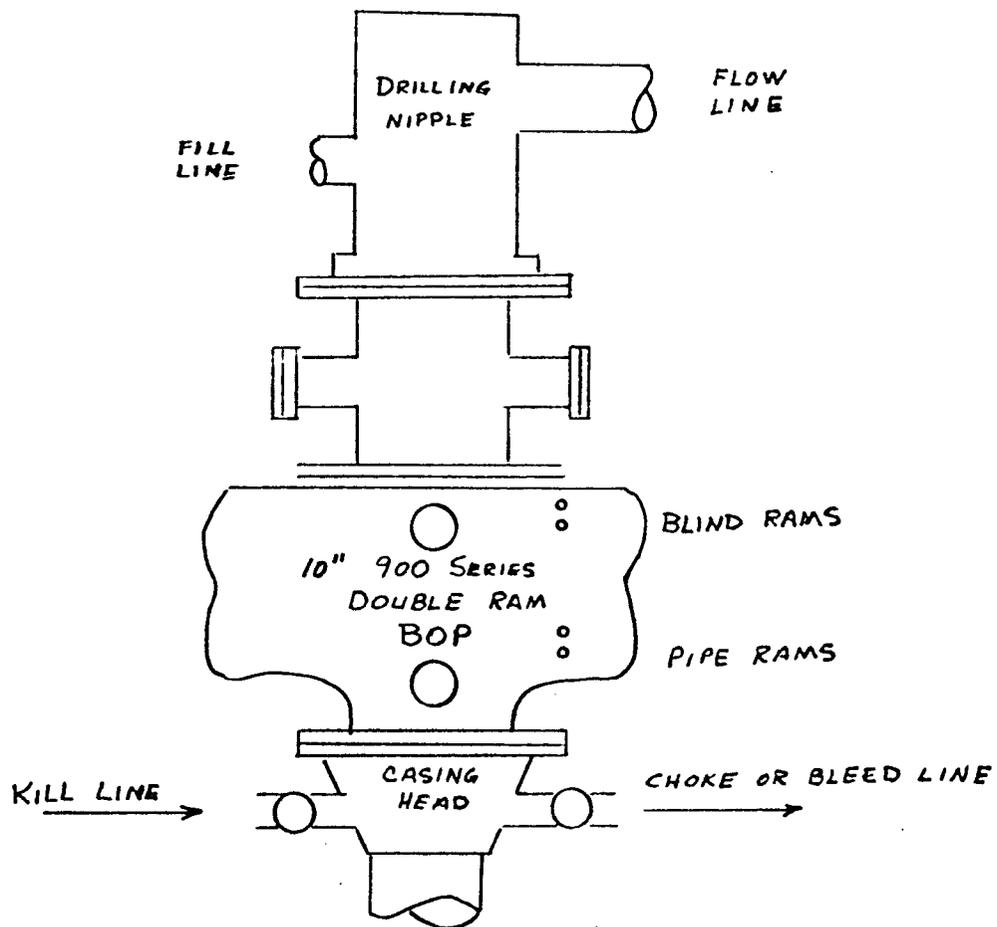
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texas American Oil Corp. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

May 4, 1978

Date

Alan C. Teel, Agent

Name and Title

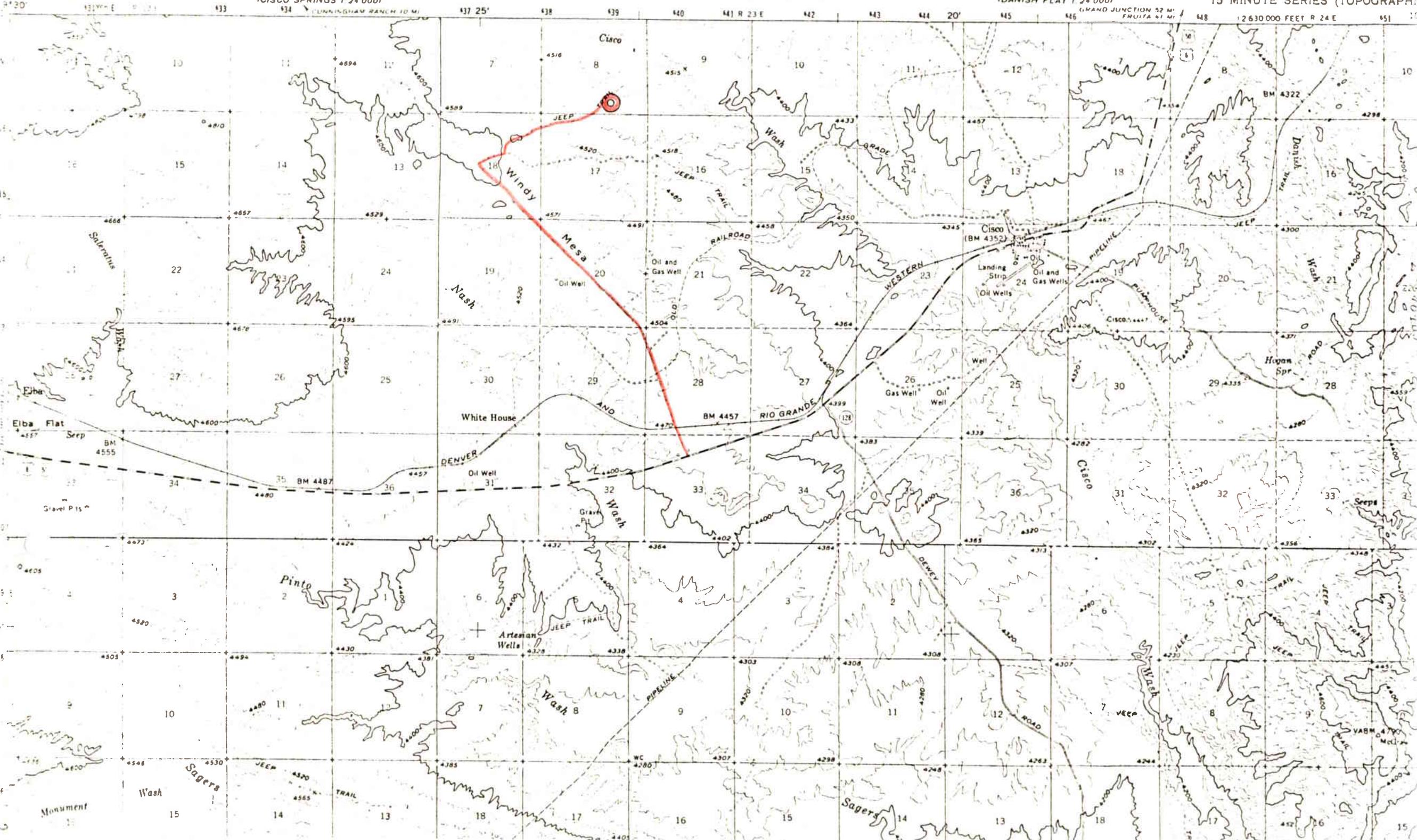


SCHEMATIC DIAGRAM
 BOPs
 TEXAS AMERICAN OIL CORP
 # 3-8 FEDERAL

4162 III SW
CISCO SPRINGS 1:24 000

GRAND JUNCTION 52 MI
FRUITA 61 MI

2 630 000 FEET R 24 E 951 10



R21E

R22E

R23E

R24E

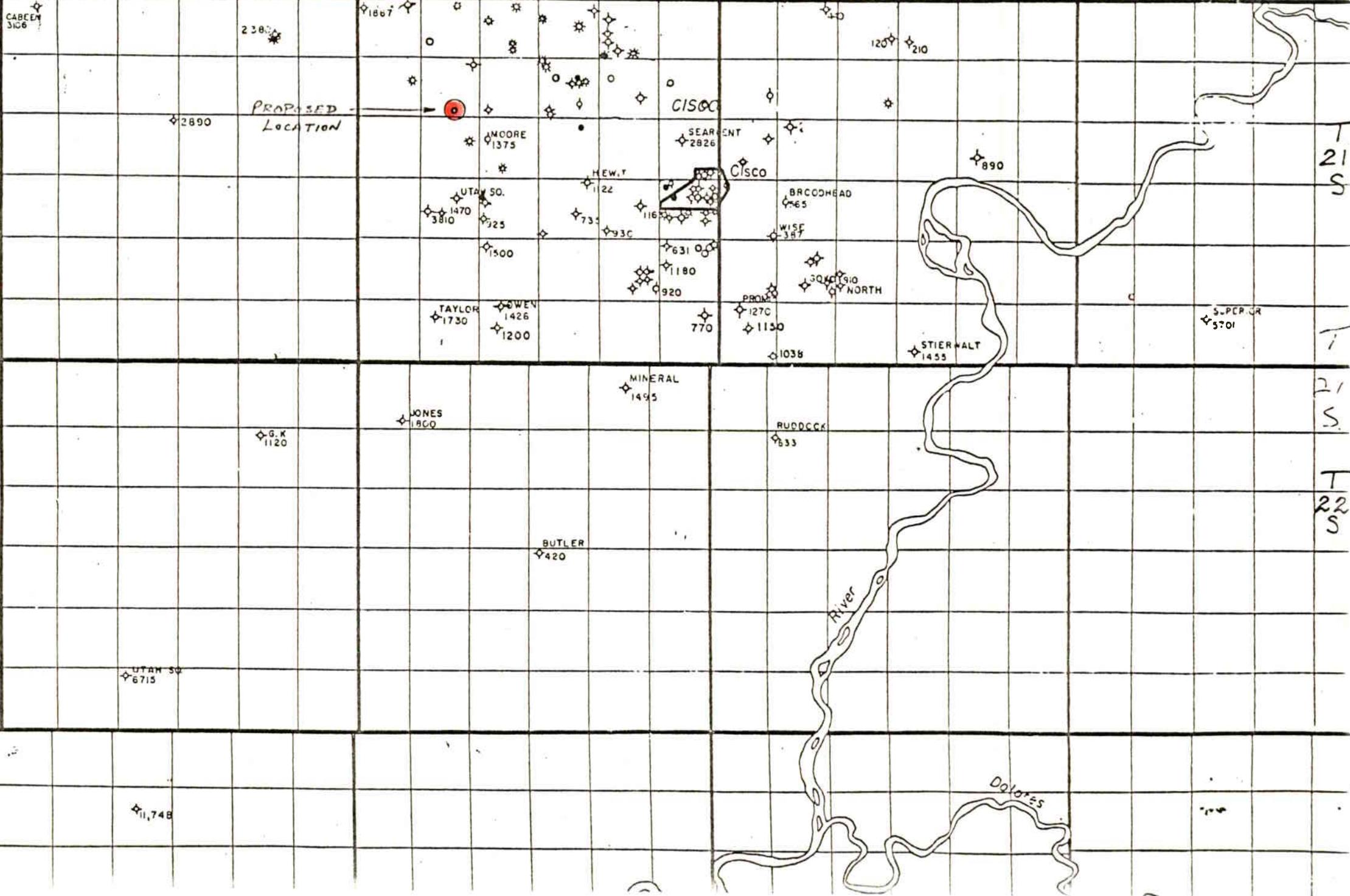
R25E

T
21
S

T
21
S

T
21
S

T
22
S



SIERRA MADRE
7830

CABEEN
3106

2380

1807

2890

PROPOSED
LOCATION

MOORE
1375

SEARCENT
2826

CISCO

1207 210

HEW.T
1122

CISCO

890

UTAH SO.
1470

3810

325

735

930

1500

631

1180

TAYLOR
1730

OWEN
1426

1200

770

PROM
1270

1150

1038

STIERHALT
1455

SUPERIOR
5701

MINERAL
1495

JONES
1800

RUDDOCK
833

G.K
1120

BUTLER
420

PURE
1439

UTAH SO
6715

9265

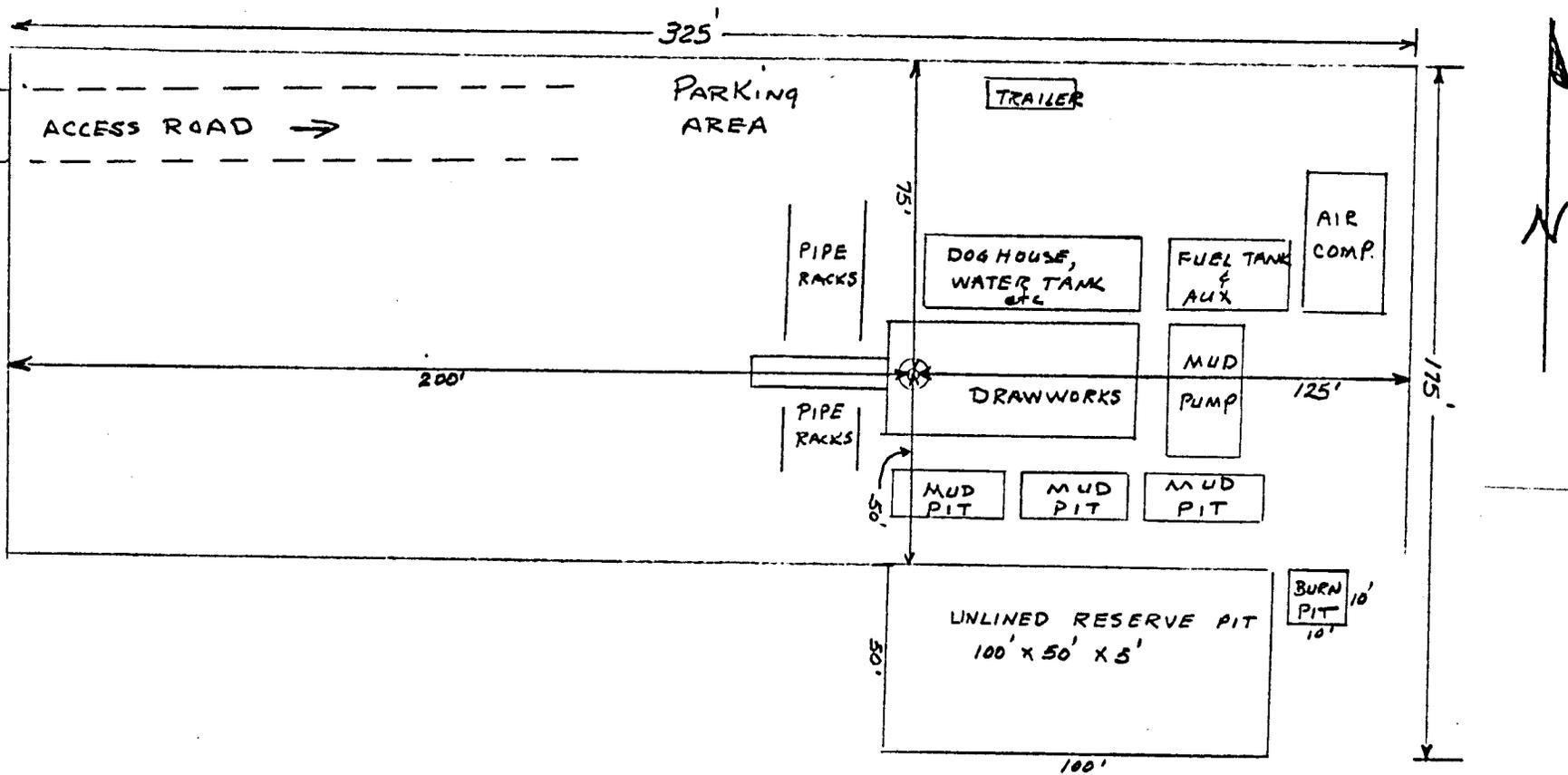
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6



DRILL SITE PLAN

TEXAS AMERICAN OIL CORP.
 # 3-8 FEDERAL
 SW SE Sec. 8, T21S, R23E
 GRAND COUNTY, UTAH

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: May 9-
Operator: Texas American
Well No: Sec. 38
Location: Sec. 8 T. 21S R. 23E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API NUMBER: 43-019-30441

CHECKED BY:

Administrative Assistant [Signature]
Remarks: OK - fits order
Petroleum Engineer [Signature] OK R
Remarks:
Director [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: OK Survey Plat Required:
Order No. 102-5 Surface Casing Change
to _____

Rule C-3(a), 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

May 10, 1978

Texas American Oil Corp.
251 One Park Central
1515 Arapahoe Street
Denver, Colorado 80202

Re: Well No. Federal 3-8
Sec. 8, T. 21 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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 43-019-30441.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

November 21, 1979

Texas American Oil Co.
300 W. Wall Ave,
Midland, Texas 79701

Gentlemen:

Attached is a copy of the final order in Cause No. 102-16B.

You will note that this order requires a copy of the property or lease line to be filed with the Application for Permit to Drill. If this only covers the pertinent section, so state.

No new Applications for Permit to Drill will be granted unless all required forms on existing wells are up to date. Also, some operators have not been submitting their 2 mill conservation levy as authorized under Section 40-6-14, Utah Code Annotated, 1953, as amended. The required sales report, Form 5, may be obtained upon request from this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B Feight
Cleon B. Feight
Director

/btm

cc Well Files

February 25, 1980

Texas American Oil Corp.
Suite 1012 300 West Wall
Midland, Texas 79701

Re: Well No. Federal 1-8
Sec. 8, T. 21S, R. 23E
Grand County, Utah

Well No. Federal 3-8
Sec. 8, T. 21S, R. 23E
Grand County, Utah

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells and action will be taken to terminate the application. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


JANICE TABISH
CLERK TYPIST

TEXAS AMERICAN OIL CORPORATION

300 WEST WALL, SUITE 1012 MIDLAND, TEXAS 79701 915-683-4811

March 5, 1980

Janice Tabish
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Federal 1-8
Sec 8-21S-23E
Federal 3-8
Sec 8-21S-23E
Grand County, Utah

LOCATION
Abandoned

Dear Ms. Tabish:

Reference is made to your letter dated February 25, 1980, in regards to the drilling of the above referenced wells. This is to advise that we do not plan to drill these wells as this time. We will reapply for an application to drill if we do decide in the future to drill.

Yours very truly,


Carolyn Cagle
Administrative Assistant

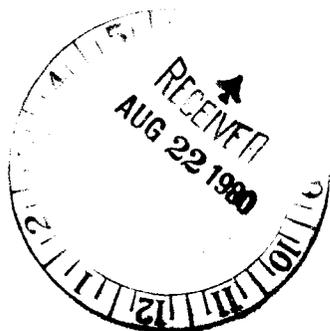
cc

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

August 21, 1980

Texas American Oil Co.
251 One Park Central
1515 Arapahoe St.
Denver, Colorado 80202

Re: Returned Application for
Permit to Drill
Well #1-8
Section 8, T. 21S., R. 23E.
Grand County, UT
Lease #U-31262
Application Approved: November 6, 1977



Well #3-8
Section 8, T. 21S., R. 23E.
Grand County, UT
Lease #U-31262
Application Approved: December 12, 1978

Gentlemen

The Applications for Permit to Drill the referenced wells were approved. Since that date no known activity has transpired at the approved locations. 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 applications without prejudice. If you intend to drill at these locations 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 these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then, be submitted. Your cooperation in this matter is appreciated.

Sincerely

for (ORIG SGD) W. P. MARTENS
E. W. Gynn
District Engineer

bcc: O&GS NRMA Casper
SMA
State Office (O&G) ✓
State Office (BLM)
USGS-Vernal
Well File
APD Control

RAH/cva