



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Water Rights

RECEIVED FEB 11 1983

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hansen, State Engineer

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

MASTER FILE

February 10, 1983

Ambra Oil & Gas Company  
47 West 200 South, Suite 510  
Salt Lake City, Utah 84101

RE: Temporary Application 58503 (01-177)

Gentlemen:

Enclosed is a copy of your approved Temporary Application Number 58503 (01-177). This is your authority to construct your works and to divert the water for the uses described.

This application will expire December 31, 1983, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it, is with the Area Engineer, Mark Page. The telephone number is 637-1303.

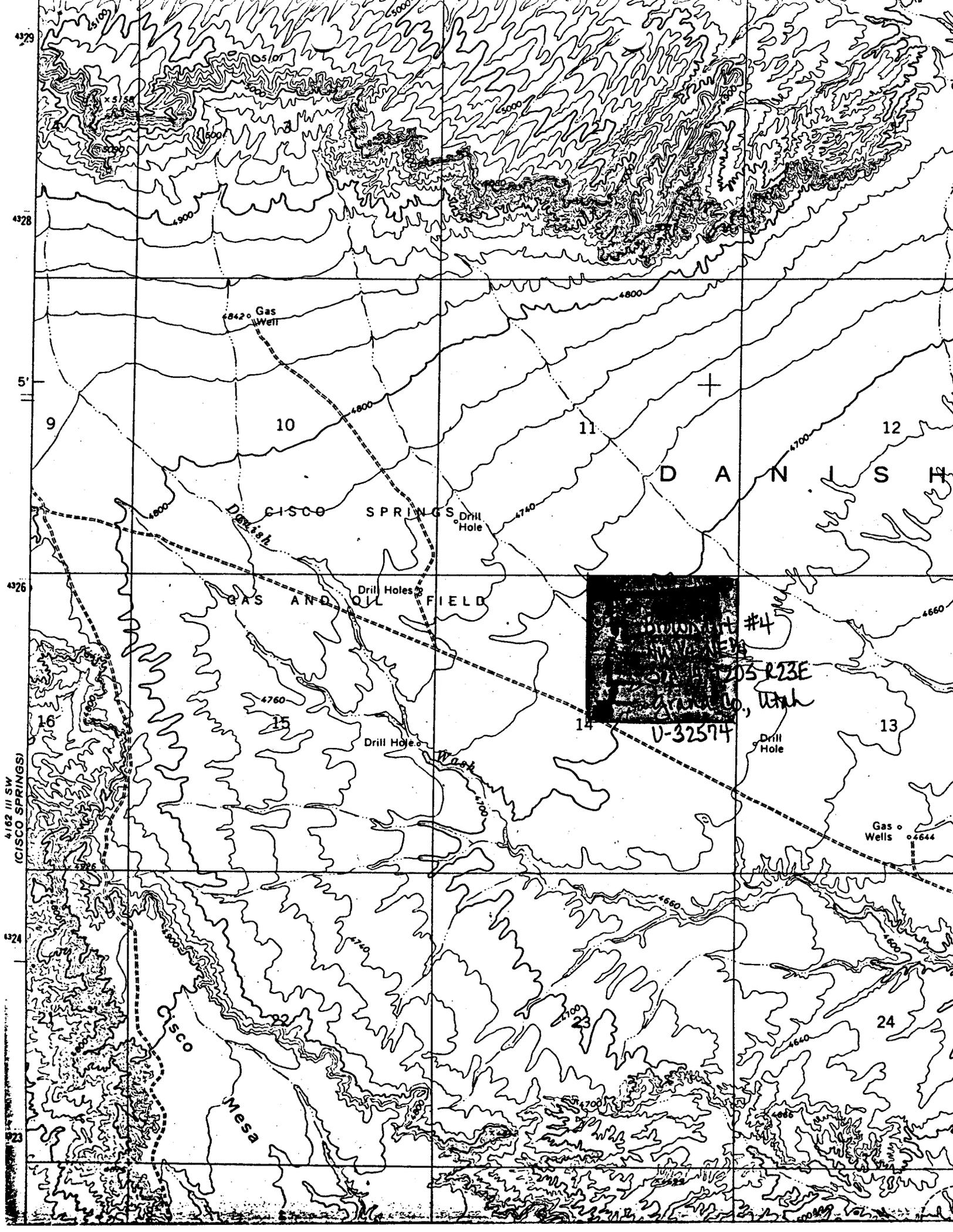
Yours truly,

  
Dee C. Hansen, P. E.  
State Engineer

DCH:slm

Enclosure

<b>NOTICE OF STAKING</b> (Not to be used in place of Application to Drill Form 9-331-C)		RMOGA 5/5/82	<b>5. Lease Number</b> U-32574	
<b>1. Oil Well</b> <input checked="" type="checkbox"/> <b>Gas Well</b> <input type="checkbox"/> <b>Other</b>		<b>6. If Indian, Allottee or Tribe Name</b> NA		
<b>2. Name of Operator</b> Ambra Oil & Gas Company		<b>7. Unit Agreement Name</b> NA		
<b>3. Address of Operator or Agent</b> 47 W. 200 S., Suite 510 Salt Lake City, UT 84101		<b>8. Farm or Lease Name</b> Browndirt		
<b>4. Surface Location of Well</b> (Governmental 1/4 or 1/4 1/4) 990' FNL 2140' FEL, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Attach: Topographical or other acceptable map showing location, access road, and lease boundaries.		<b>9. Well No.</b> Browndirt #4		
<b>14. Formation Objective(s)</b> Morrison Salt Wash		<b>10. Field or Wildcat Name</b> Greater Cisco Area		
<b>15. Estimated Well Depth</b> 2050'		<b>11. Sec., T., R., M., or          Blk and Survey or Area</b> Sec. 14, T20S R23E		
		<b>12. County or Parish</b> Grand	<b>13. State</b> Utah	
<b>16. To Be Completed by Operator Prior to Onsite</b> <ol style="list-style-type: none"> <li>Location must staked</li> <li>Access Road Flagged</li> <li>Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills (To be provided at onsite)</li> </ol>				
<b>17. To Be Considered By Operators Prior to Onsite</b> <ol style="list-style-type: none"> <li>H<sub>2</sub>S Potential</li> <li>Private Surface Ownership</li> <li>Cultural Resources (Archaeology)</li> <li>Federal Right of Way</li> </ol>				
<b>18. Additional Information</b>				
<b>19. Signed</b> <u>Linda Conde</u> <b>Title</b> <u>Production Manager</u> <b>Date</b> <u>June 28, 1983</u>				



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Ambra Oil & Gas Company Well No. Browndirt #4  
Location Sec. 14, T. 20 S., R. 23 E. Lease No. U-32574

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

## **7. SURFACE OPERATING STANDARDS**

- Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/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.
8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
  9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
  10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
  11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
  12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
    - a. Operator name, address and telephone number.
    - b. Well name and number.
    - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
    - d. Date was placed in a producing status.
    - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.

g. If appropriate, the unit agreement name, number and participating area name.

h. If appropriate, the communitization agreement number.

13.

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SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

Ambra Oil and Gas Company  
 Well No. Browndirt #4  
 Section 14, T. 20 S., R. 23 E.  
 Grand County, Utah  
 Lease U- 32574

**Supplemental Stipulations:**

- The following seed mixture will be used as specified in APD:

<u>Species</u>	<u>Rate</u> <u>lbs/acre</u>
<u>Grasses</u>	
Oryzopsis hymenoides	Indian Rice Grass
Hilaria jamesii	Galleta
	2
	1
<u>Forbs</u>	
Sphaeralcea ambigua	Globe Mallow
	1
<u>Shrubs</u>	
Atriplex confertifolia	Shadscale
Atriplex gardnerii (Nuttalii)	Gardner Saltbush
Eurotia lanata	Winterfat
	1
	1
	1
	<u>7</u>

Broadcast seed will be applied at double the above rate.

Seeding will be done in the fall of the year (Oct. - Dec.) however, if the company desires, once the reserve pit is dry, rehabilitation and reseedling can commence. This may facilitate completing the location while earthmoving equipment is still on location.

- All above-ground production facilities will be painted using the attached suggested colors:

Sand Beige	(5Y 6/3)
Desert Brown	(10YR 6/3)
Carlsbad Canyon	(2.5Y 6/2)

These colors were selected by the Rocky Mtn. Five State Interagency Oil and Gas committee to be used as standard environmental colors. The states involved with this committee are Colorado, Montana, New Mexico, Utah and Wyoming.

The paint names referred to above are manufactured by Kansas Paint and Color Company, Wichita, Kansas. Numbers in parenthesis ( ) refer to Munsell Soil Color Charts. Since manufacturer's names vary for paint colors any paint with an equal Munsell color notation can be substituted.

Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Dakota formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

## ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) 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.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drilling Bond # M-046557

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  
 47 W. 200 S., Suite 510 Salt Lake City, UT 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 990' FNL 2140' FEL, NW $\frac{1}{4}$  NE $\frac{1}{4}$   
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 10 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)      500'  
 16. NO. OF ACRES IN LEASE      240

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      1600'  
 19. PROPOSED DEPTH      2050'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4706' GR

5. LEASE DESIGNATION AND SERIAL NO.  
 U-32574  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 NA  
 7. UNIT AGREEMENT NAME  
 NA  
 8. FARM OR LEASE NAME  
 Browndirt/Levon  
 9. WELL NO.  
 Browndirt #4  
 10. FIELD AND POOL, OR WILDCAT  
 Greater Cisco Area ✓  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 14, T20S R23E  
 12. COUNTY OR PARISH      13. STATE  
 Grand      Utah

22. APPROX. DATE WORK WILL START\*  
 September 1, 1983

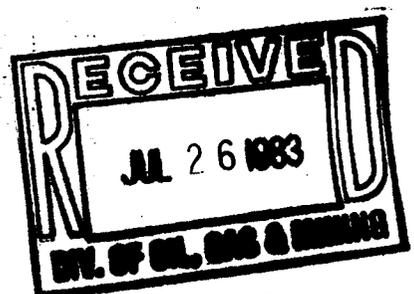
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	160'	35 sx (cement to surface)
6-3/4"	4 1/2"	10 1/2#	2050'	135 sx

Well will be drilled to test the Morrison Salt Wash Formation. All shows encountered will be tested.

Blowout equipment to be used: 8" 900 series double gate shaffer hydraulic type LWS

**APPROVED FOR THE COMMISSION OF OIL, GAS, AND MINING**  
 DATE: 7/22/83  
 BY: [Signature]  
 GAS WELLS



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.

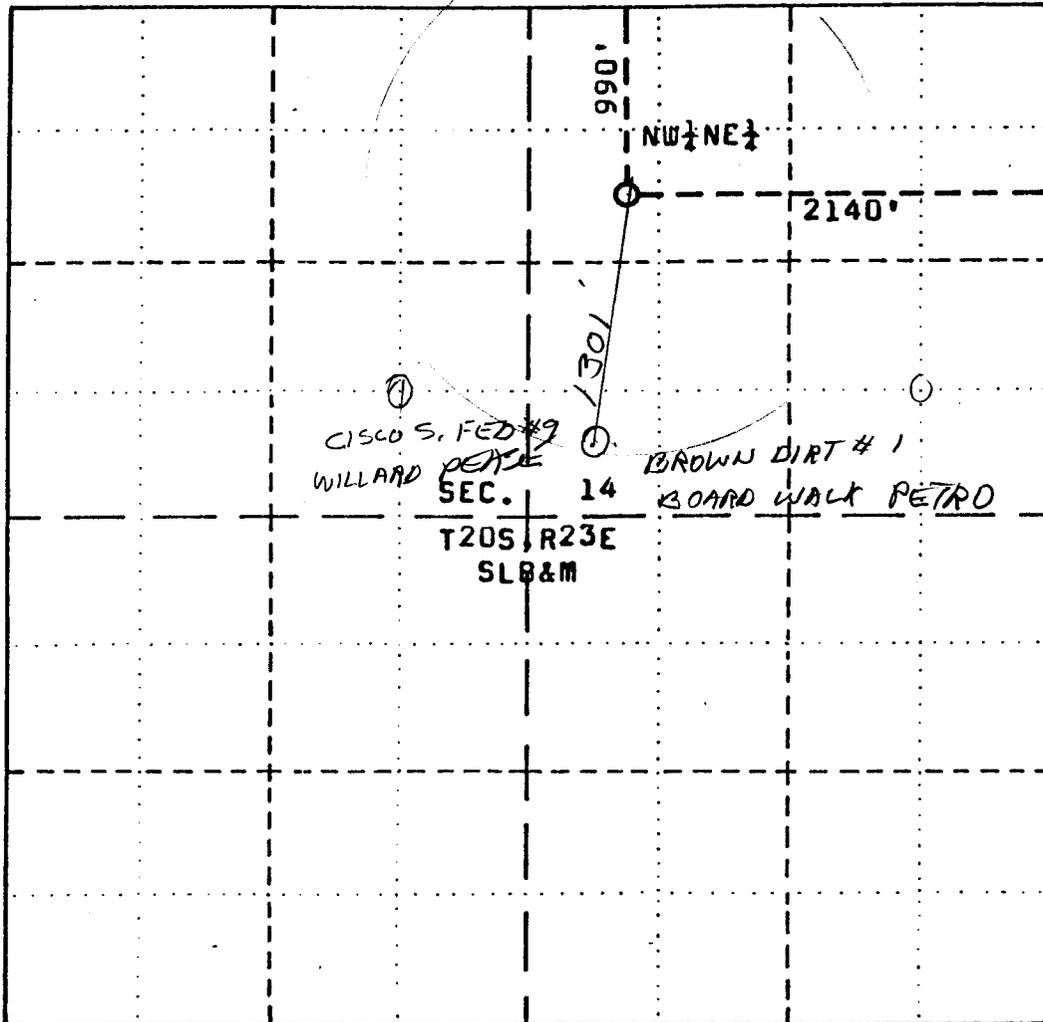
24. SIGNED Linda Conde TITLE Production Manager DATE July 22, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:



SCALE: 1" = 1000'

BROWNDIRT #4

Located South 990 feet from the North boundary and West 2140 feet from the East boundary of Section 14, T20S, R23E, SLB&M.

RP 200' N = 4705.3  
 RP 200' S = 4703.8  
 RP 200' E = 4702.4  
 RP 200' W = 4707.5

Elev. 4706

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

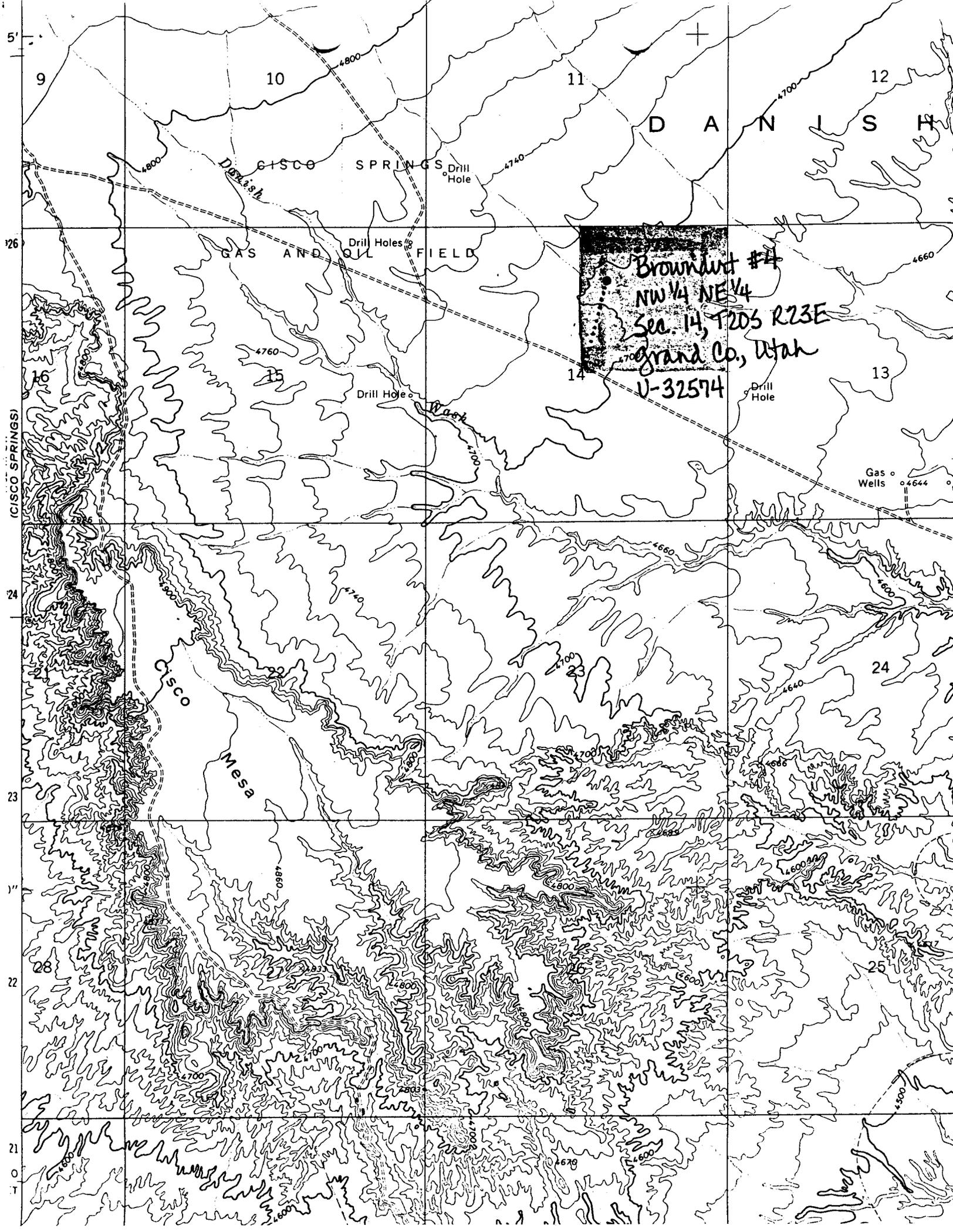


**UDELL S. WILLIAMS**  
 751 Road Avenue  
 GRAND JUNCTION, COLORADO 81501

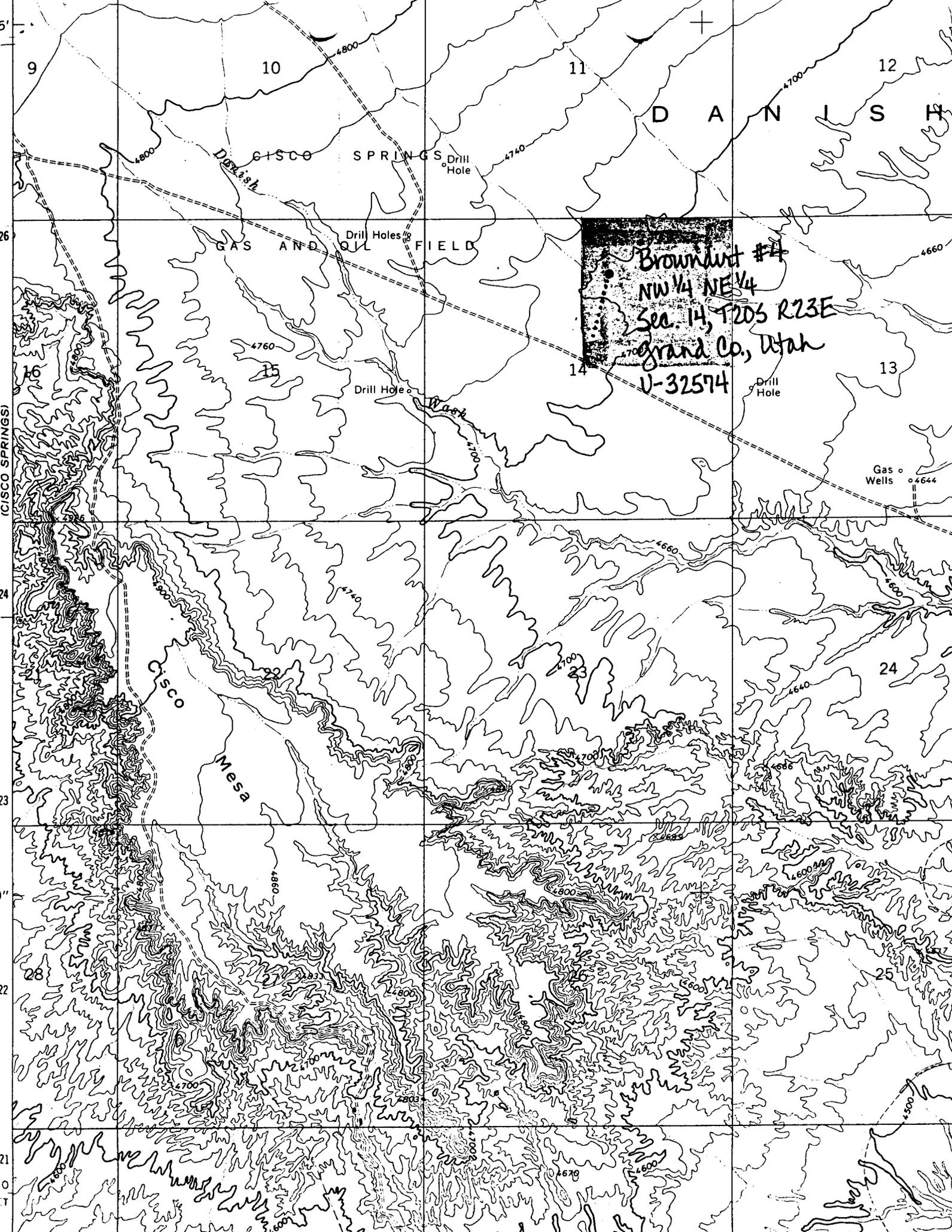
PLAT OF  
 PROPOSED LOCATION

**BROWNDIRT #4**  
**NW 1/4 NE 1/4 SECTION 14**  
**T20S, R23E, SLB&M**

SURVEYED BY: USW DATE: 7/7/83  
 DRAWN BY: USW DATE: 7/7/83



Browndart #4  
NW 1/4 NE 1/4  
Sec. 14, T20S R23E  
Grand Co., Utah  
U-32574



BUREAU OF LAND MANAGEMENT  
Branch of Fluid Minerals  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

RE: AMBRA BROWNDIRT #4  
NTL-6 Supplementary Information  
for APD, 9-331-C

Application for Ambra Oil & Gas Company, a Utah corporation, to drill in the NW $\frac{1}{4}$  NE $\frac{1}{4}$  of Section 14, T20S, R23E, Grand County, Utah is set forth on Form 9-331-C. The purpose of this letter is to present the additional information as required by the NTL-6 regulation.

1. Geologic Name of Surface Formation: Cretaceous Mancos Shale

2. & 3. Geological Formation Tops:

Cretaceous	Mancos Shale Dakota	Surface 1420'
Jurassic	Morrison (Brushy Basin) Morrison (Salt Wash) Total Depth	1570' 1856' 2050'

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

5. Pressure Control Equipment: BOP and manifold will be tested to 1000 psi prior to drilling out shoe joint. Pipe rams will be operational and tested daily. Blind rams will be operational and tested on trips. BOP and manifold will be visually inspected daily. All tests will be recorded on daily tour sheets. See BOP schematic.

6. Drilling and Circulation Medium: Operator plans to drill with air and air mist as far as possible. A water-based drilling fluid will be used in the event formation water is encountered, to control or kill oil or gas flows and when running long string (4 $\frac{1}{2}$ " , 10.5 lb. casing). It will consist of an invert polymer-type biodegradable mud at 8.2 lb. per gallon. Weight and mud to 10 lb. per gallon will be provided if required. Potassium chloride (KCL) D.G. chemical will be added as required.

7. Auxiliary Equipment: (1) Kelly Cock - Demco; (2) Floats at the bit sub and string; (3) No monitoring equipment on mud system; and (4) Sub on floor with a full-opening valve. The fill, kill and choke lines will be attached to the well head below the BOP. The following auxiliary equipment will also be used:

- a. 6000# shut-off valve on stand pipe.
- b. One float at bit and two string floats.
- c. Sub 3 $\frac{1}{2}$ " IF to 2" valve for controlling blowouts when making round trips.

July 21, 1983

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8. Testing, Logging & Coring: Schlumberger or Gearhart. No DST's programmed. Electric logs will consist of dual induction laterlog (DIL), compensated neutron and formation density (CNFD), caliper log (CL), and sonic BHC. If casing is set, a cement bond log (CBL) and gamma ray log (GRL) will be run. Drilling samples will be taken every 10 feet starting 100 feet above the Dakota formation. Microscope analysis will be done by a geologist.

9. The maximum bottom hole pressure expected is 1500 psi. Flexibility provisions are the BOP and high-pressure fittings and couplings. No hydrogen sulfide problems are expected.

10. The approximate starting date is September 1, 1983, and drilling should take from five to ten 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.

DATE

July 22, 1983

LINDA CONDE

Production Manager

July 21, 1983

BUREAU OF LAND MANAGEMENT  
Branch of Fluid Minerals  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

RE: AMBRA BROWNDIRT #4  
Multipoint Requirements

1. Existing Roads

a. Proposed well site is staked.

b. Route and distance from nearest town. Well site is located approximately ten (10) miles northeast of Cisco, Utah. Exit at the east Cisco Bookcliff exit on I-70. Go north about 150' and turn left at the first intersection of the county road. Proceed northwest on the Cisco Springs county road approximately 3.6 miles. The proposed access road to the Browndirt #4 well will be on the right and approximately 500' past the access road to the Browndirt #2 well. The Grand Valley Gas Transmission Company compressor will be located near the proposed access road. The length of this new access road will be approximately 1500 feet to the southwest corner of the location. The new road will be constructed according to Class III Standards.

c. The existing roads are solid in blue. The proposed access road is dotted in red.

d. Does not apply.

e. If a development well, list all the existing roads within a one-mile radius of well site. This radius includes the Cisco Springs County Road and the Levon #1 access road. Also included is the TXO 14-1, TXO 23-1, Inland Fuels 23-15, and Willard Pease #4 combined access road.

f. Plans for improvement and/or maintenance of existing roads. The operator will maintain existing roads according to the Class III Standards.

2. Planned Access Road

1. Width: 16' travel surface, 20' disturbed width. Vegetation and the top 2" of topsoil will be windrowed on the uphill side of the access road.

2. Maximum grades:  $\frac{1}{4}$  to 1 degree. No waterbars are needed.

3. Turn-out: no turn-outs are needed.

4. Drainage design: small borrow pit on one side for drainage. Should production be established, the road will be upgraded and will be ditched and crowned.

5. Location of culverts and brief description of any major cuts and fills. No culverts are needed in this area. No major cuts or fills are required.

6. Surfacing material: none needed. Land will be disturbed very little. No foreign material is needed.

7. Necessary gates, cattleguards, or fence cuts: none needed in this area.

8. New or constructed roads: Operator will make use of existing roads in the area. The new access road will be constructed approximately 1500 feet in length according to Class III Standards. The width will be 16' travel surface, 20' disturbed width, scraped only on the surface. Surface disturbance will be kept to a minimum. The top 2" of soil material will be windrowed on the uphill side of the proposed road.

3. Location of Existing Wells

a. See USGS topographic map.

b. Producing wells in a one-mile radius:

1. Sec. 11 Boardwalk/Ambra Levon #1; oil & gas
2. Sec. 11 Cisco SS 11-5; oil
3. Sec. 14 TXO 14-1; oil
4. Sec. 14 Willard Pease No. 9; gas
5. Sec. 14 Browndirt #1; gas
6. Sec. 14 Browndirt #2; gas
7. Sec. 14 Willard Pease No. 12; oil & gas
8. Sec. 14 Willard Pease No. 4; oil
9. Sec. 15 Willard Pease #1; oil & gas
10. Sec. 23 Inland Fuels 23-4; gas
11. Sec. 23 TXO Mesa 23-1; oil

c. Producing wells in a two-mile radius:

1. Sec. 2 Frank Adams 2-5; oil
2. Sec. 2 Frank Adams 2-2; oil
3. Sec. 9 Willard Pease 1-355; oil
4. Sec. 9 Willard Pease 1-506; gas
5. Sec. 10 Willard Pease No. 1; oil & gas
6. Sec. 10 Willard Pease No. 5; gas
7. Sec. 10 Willard Pease No. 6; gas
8. Sec. 10 Cisco SS 10-2; oil
9. Sec. 13 Isabelle Thomas No. 8; gas
10. Sec. 13 Isabelle Thomas No. 2; gas
11. Sec. 15 TXO 15-2; oil & gas
12. Sec. 23 Inland Fuels 23-8; shut-in gas
13. Sec. 23 Cisco SS 23-10; shut-in gas
14. Sec. 23 Inland Fuels 23-3; oil
15. Sec. 24 Thriftway No. 1; gas
16. Sec. 24 Clayton Nicole; gas
17. Sec. 24 Clayton Cathy; gas

d. No water, disposal, or injection wells are in a one-mile radius.

4. Location of Existing and/or Proposed Facilities

a. 1. Tank batteries. Operator maintains various production storage tanks in T20S, R23E. If oil production is established, new tank batteries will be installed on the south side of the proposed location and will be 125 feet from the wellhead.

2. Production facilities. Operator maintains various pumpjacks, dehydrators, and separators in T20S, R23E. If gas production is established, new production facilities will be installed on the south side of the proposed location. All above-ground production equipment will be painted using one of the colors specified by BLM personnel in their concurrence letter.

3. Oil gathering lines. None - only to tank at location if oil production is established.

4. Gas gathering lines. If the well qualifies for hook-up, Northwest Pipeline will run a 4" lateral from their Trunk A(6") to the well. If the well does not qualify for hook-up by Northwest Pipeline, a line (pending right-of-way) operated by Grand Valley Gas Transmission Company will be run from the Browndirt #1 well to the Browndirt #4 well. Gas lines will follow existing roads as much as possible.

5. Injection lines. None.

6. Disposal lines. None.

b. Any new facilities required in the event of production will be located on the south side of the proposed location. See the enclosed 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 to hold 110% of the tank volume. Gas lines will be laid on the surface to the lateral 4" line from the Trunk A line (pending right-of-way) operated by Northwest Pipeline or to the Browndirt #1 well (pending-right-of-way) operated by Grand Valley Gas Company. A time schedule for this will be within a 60-day period upon completion of the well.

c. The reserve pit and any portion of the location and access road not needed for production or production facilities will be reclaimed as described in the rehabilitation section. Stockpiled/windrowed topsoil will be used in reclaiming unused areas.

5. Location and Type of Water Supply

a. Cisco Springs in the SW $\frac{1}{4}$  SW $\frac{1}{4}$  of Section 4, T20S, R23E. We have a state water permit. The letter of approval is attached.

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. No construction materials are planned or needed. This is flat desert land on a Mancos Shale formation. Bladed roads that are watered and packed down are the best roads for this area.

7. Method for Handling Waste Disposal

Cutting and drilling fluids will be discharged via air into the reserve pit. A portable chemical toilet will be on location for sewage. Garbage and waste materials will be placed in a trash cage and hauled out when work is completed. Produced fluids (oil and water) will go into tanks and pits, respectively. The blouey line will be 125 feet long, centered, and angled down into the reserve pit. It will be anchored. The blouey line will be misted while drilling with air. The area will be free of trash and debris when the rig is moved out. If any waste material is to be burned, a burning permit will be obtained from the State Land Forestry and Fire Control Office in Moab, Utah prior to burning.

8. Auxiliary Facilities

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

9. Well Site Layout

1. Cross section of 150' x 150' drill pad with cuts and fills. The well location is relatively flat and requires minimum cuts and fills. The top 6 inches of topsoil will be stockpiled/windrowed on the north side of the location separate from vegetation.

2. Mud tank, reserve pit, and trash cages. See well pad schematic. The reserve/blouey pit will be located on the southeast side of the location. Vegetation the width of a bulldozer blade will be removed from the perimeter of the reserve pit to minimize fire hazard. The pit will be fenced on three (3) sides prior to drilling, and the fourth side will be fenced when drilling is completed. The fence will be 36" high of woven wire plus one strand of barbed wire for support.

3. See drawing.

4. Pits are to be unlined.

10. Restoration Plans

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be deposited in a portable trash cage and hauled to a local town dump-site. No trash will be left in the pits.

2. The operator or his contractor will notify the Grand Resource Area BLM Office in Moab, Utah (801-259-8193) forty-eight (48) hours prior to

starting rehabilitation work that involves earthmoving equipment. The Grand Resource Area BLM Office in Moab will again be notified upon completion of restoration.

3. Prior to any dirtwork restoration of disturbed areas, the reserve/blouey pit will be dry and completely free of any trash or debris. Any such trash or debris will be removed from the pit and public lands.

4. All disturbed areas to be restored will be recontoured to blend with the surrounding area. The stockpiled/windrowed topsoil will be evenly distributed over the rehabilitated area. All disturbed areas will be scarified on the contour to a depth of eight (8) inches.

5. The rehabilitated area will be seeded from October 15 to November 15 or any other time that the Grand Resource Area Office approves. BLM personnel will provide the appropriate seed mixture with their concurrence letter. The seed mixture will broadcast only. Following broadcast seeding, the area will be harrowed or dragged to assure seed cover. Stockpiled vegetation will then be scattered evenly over the reclaimed area and walked down with a dozer.

6. If the proposed well is completed as a producer, any unused areas will be reclaimed as previously described.

7. After the rig is moved.

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

9. Rehabilitation of the well site area will be completed within 60 days after abandonment with the exception of reseeded following BLM instructions (October 15 to November 15). In the event the well is completed as a dry hole, rehabilitation will take place within 60 days after release of the drilling rig. In the event the well is completed as a commercial producer of oil and/or gas, unused portions of the well pad will be rehabilitated within 60 days after completion. All restoration will be as per BLM instructions.

#### 11. Other Information

1. The location is part of the Green River desert area. Vegetation consists of sagebrush, rabbitbrush, and shadscale. Cattle and sheep graze the area in the fall and spring seasons. Cisco Springs is approximately three (3) miles to the northwest with no dwellings and no evidence of historical, cultural, or archaeological value.

2. The Grand Resource Area Office in Moab, Utah (801-259-8193) will be contacted 48 hours prior to commencing any work on public lands.

3. The operator's dirtwork and drilling contractors will be furnished with an approved surface-use plan and BLM stipulations prior to any work.

4. An archaeological survey is not required as the area has been previously cleared.

5. If any subsurface cultural material is exposed during construction, work will stop immediately, and the Grand Resource Area Office will be notified. All persons in the area will be informed of possible prosecution if they disturb archaeological sites or remove artifacts.

12. Operator

Ambra Oil and Gas Company  
American Plaza III  
47 West 200 South, Suite 510  
Salt Lake City, Utah 84101

Telephone: 801-532-6640

Attention: Linda Conde

13. Certification

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.

DATE July 22, 1983

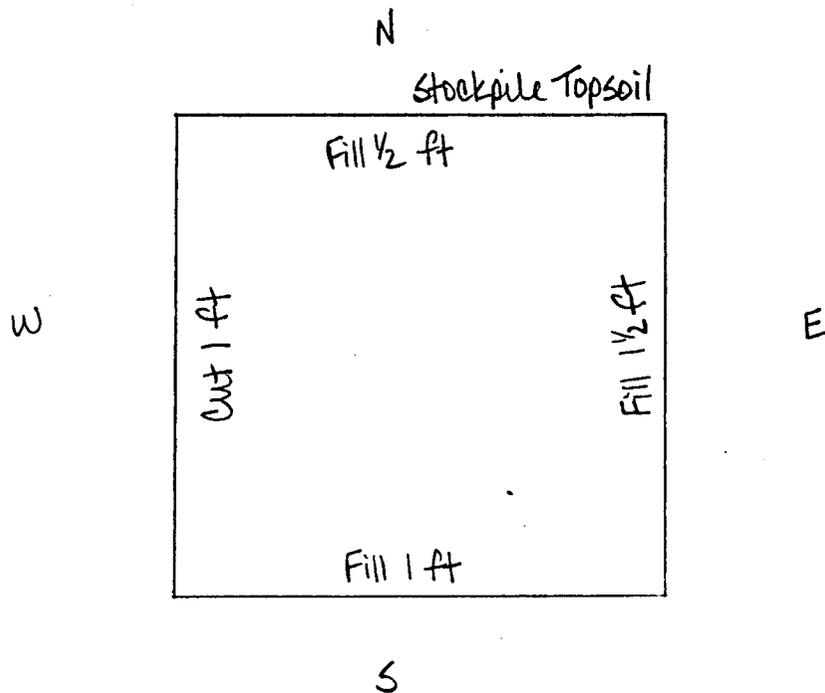
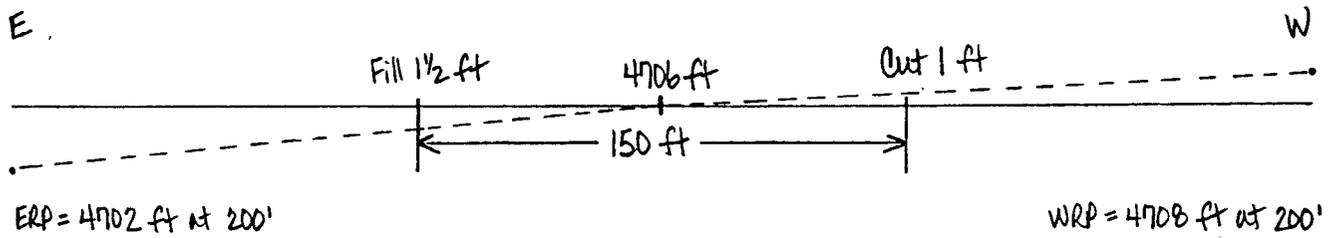
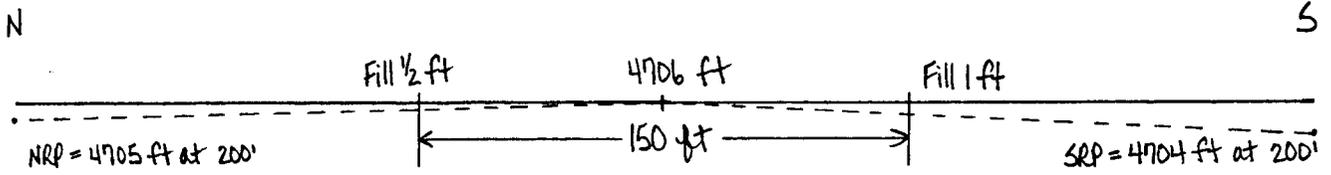
Linda Conde  
LINDA CONDE  
Production Manager

# Cut & Fill Diagram

Browndirt #4

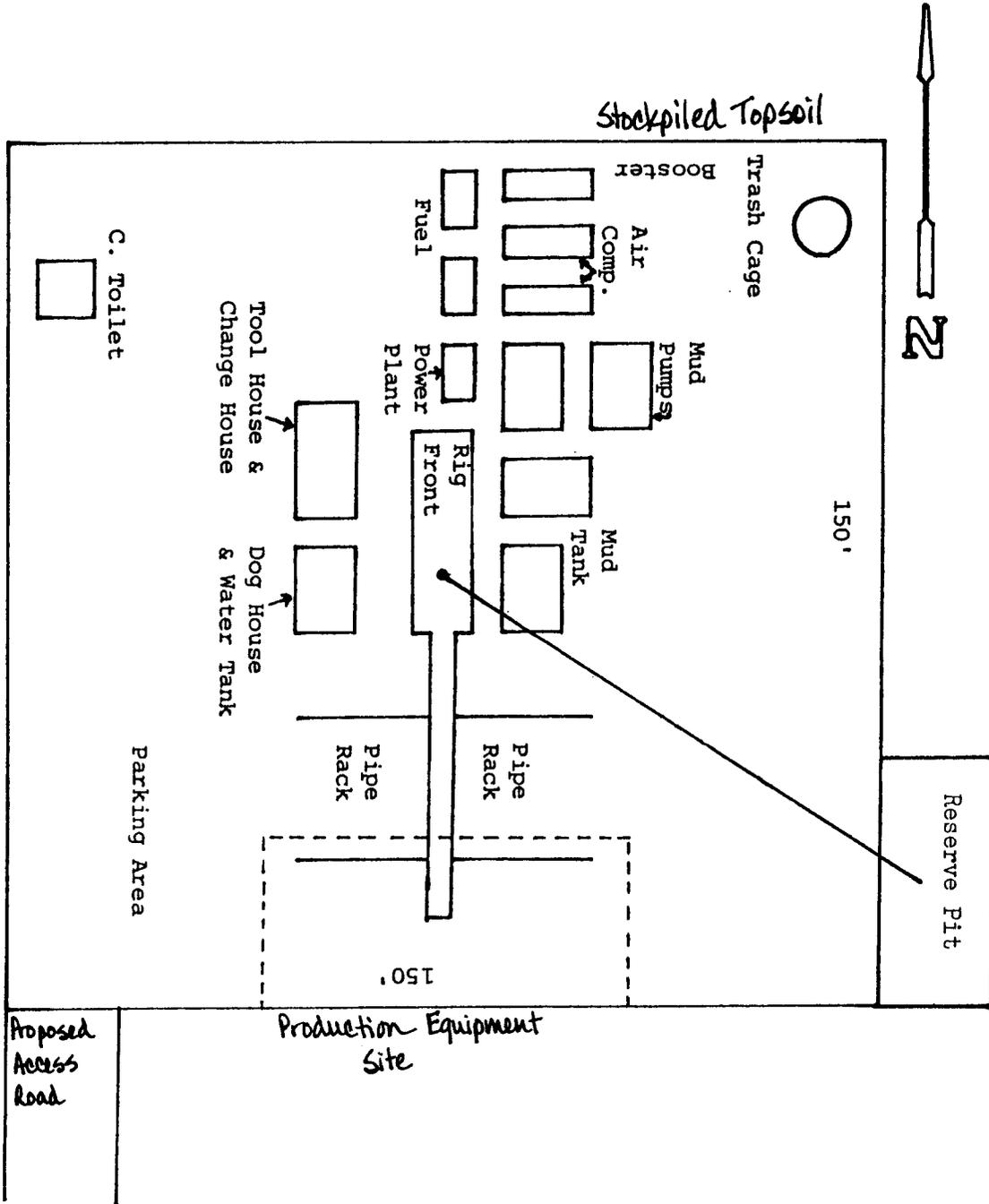
Horizontal Scale: 1" = 60'

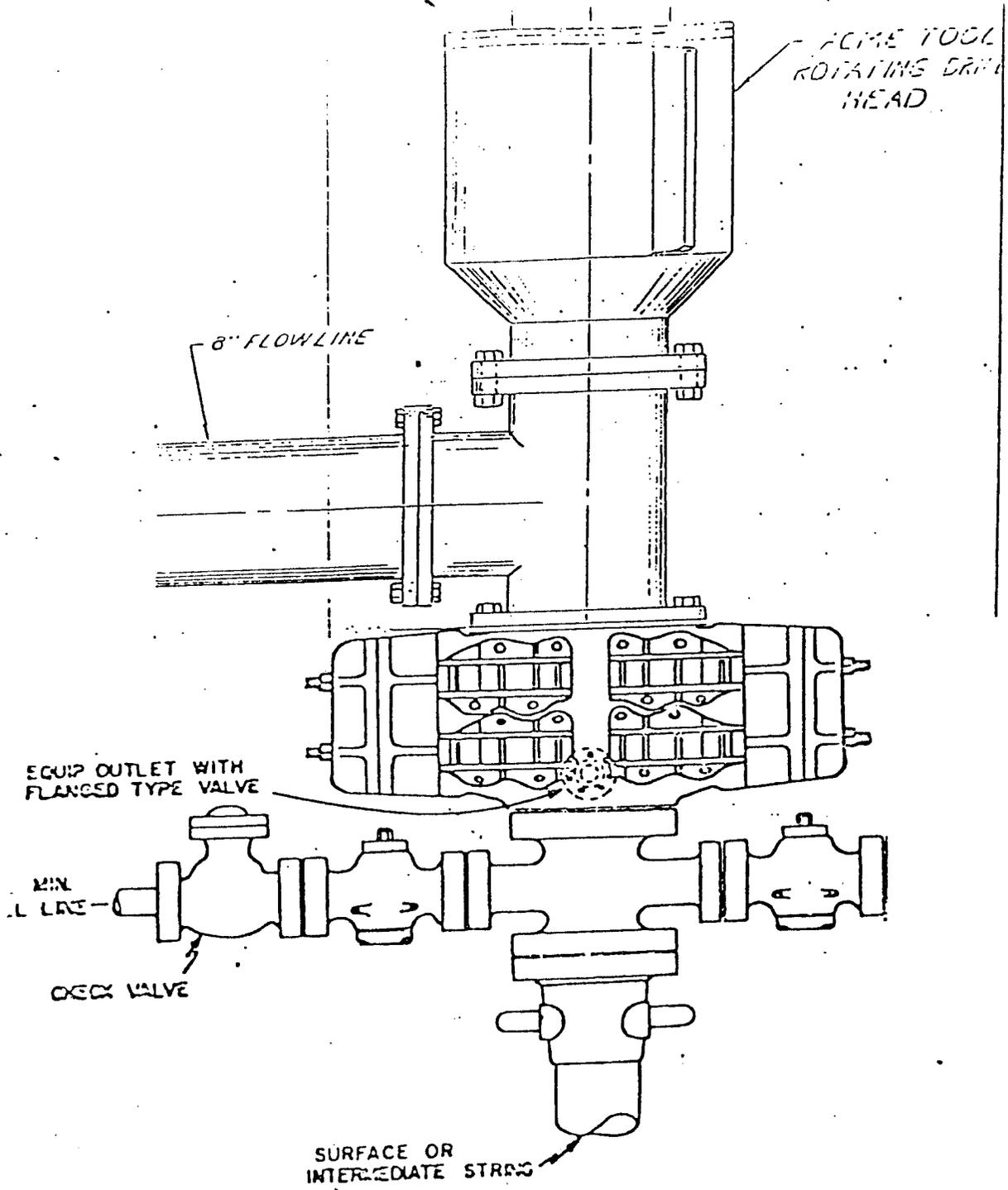
Vertical Scale: 1" = 12'



WELL PAD SCHEMATIC

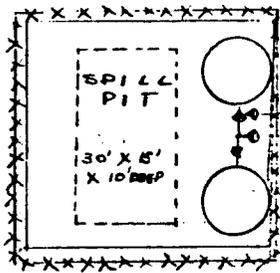
Browndirt #4





TANK BATTERY  
OIL SALES

FENCED  
AND  
FIRE  
BERMED

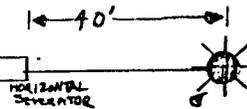


WELL  
28' X 8' X 14'  
DEEP



METER

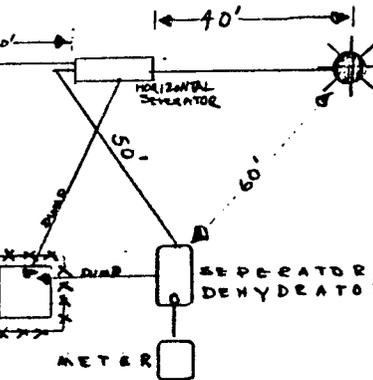
GAS  
SALES



OIL AND/OR GAS

SCALE 1" = 40'

SEPARATOR/  
DEHYDRATOR



OPERATOR AMARA OIL & GAS CO DATE 7-28-80

7.25.80  
TJ

WELL NAME BROWNOUT # 4

SEC NWNE 14 T 20S R 23E COUNTY GRAND

43-019-31090  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

- INDEX
- MAP
- HL
- NID
- PI

PROCESSING COMMENTS:

(1980 FNL - 660 FEL)

ok, 17' too close to Brown Dist #1 (Boardwalk Petro Inc),  
otherwise ok. water rights ok -

CHIEF PETROLEUM ENGINEER REVIEW:

✓  
8/8/80 ✓

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT

c-3-a 102-16B 11-15-79  
CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 102-16R

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

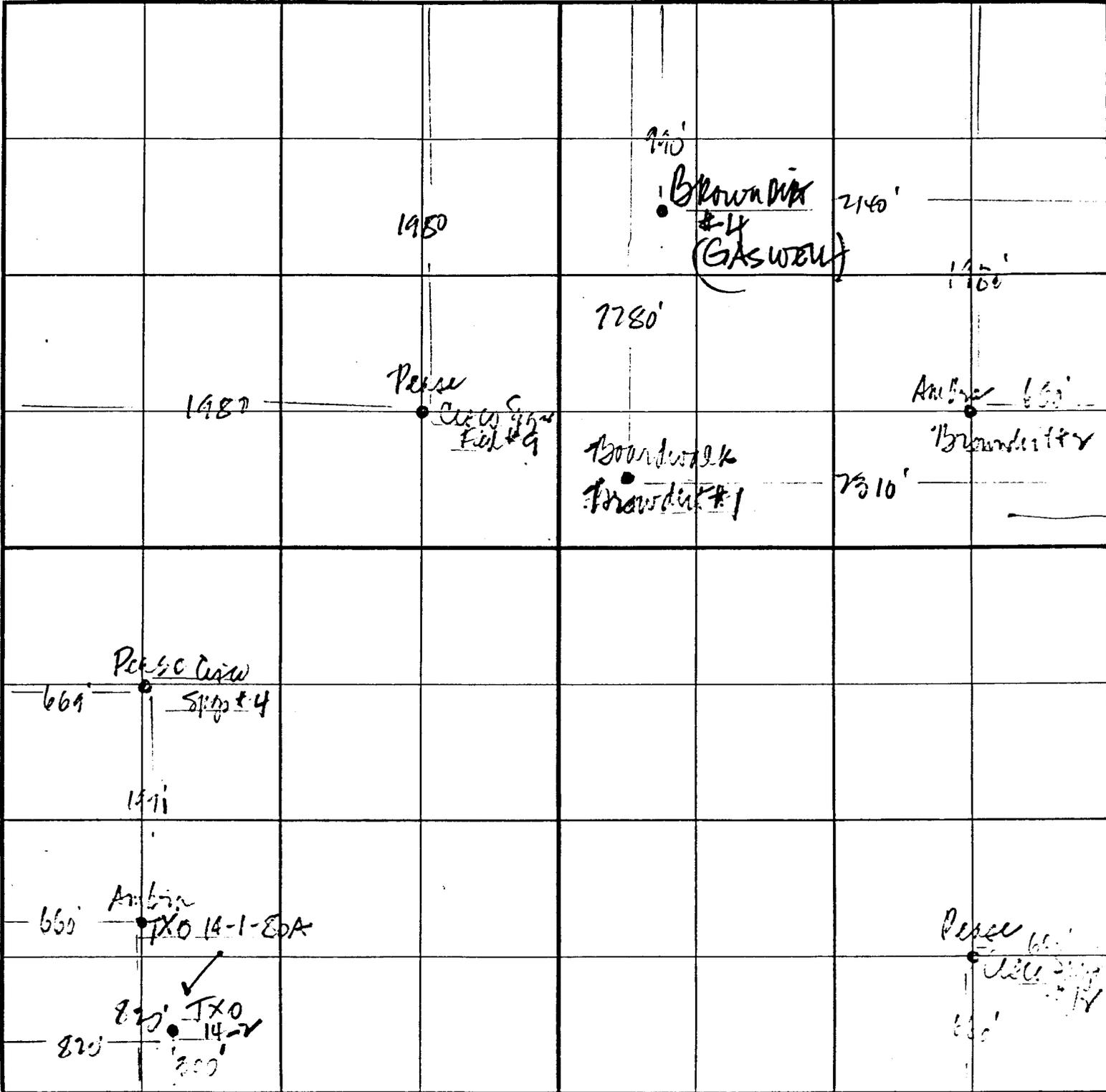
CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

# SECTION PLAT SHEET

OWNER \_\_\_\_\_ DATE \_\_\_\_\_  
 SECTION 14 TOWNSHIP 20 S RANGE 23 E  
 COUNTY GRAND STATE UTAH SCALE \_\_\_\_\_



August 8, 1983

Ambra Oil & Gas Company  
47 West 200 South, Suite # 510  
Salt Lake City, Utah 84101

RE: Well No. Browndirt # 4  
NW NE, Sec. 14, T. 20S, R. 23E.  
990' FNL, 2140' FEL  
Grand County, Utah

Gentlemen:

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 11-15-79.

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

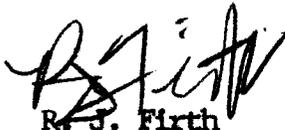
RONALD J. FIRTH - Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

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 43-019-31090.

Sincerely,



R. J. Firth  
Chief Petroleum Engineer

RJF/cf  
cc: Oil & Gas Operations

Enclosures

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: AMBRA OIL COMPANY

WELL NAME: Browndirt #4

SECTION NWNE 14 TOWNSHIP 20S RANGE 23E COUNTY Grand

DRILLING CONTRACTOR Starner

RIG # 3

SPUDDED: DATE 10-7-83

TIME 6:30 PM

HOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Wes Pettingill

TELEPHONE # 532-6640

DATE 10-12-83 SIGNED AS

wtr / m  
not in  
letter

RECEIVED  
OCT 14 1983

NOTICE OF SPUD

Company

Ambra Oil & Gas Company

Call Ter:

Wes Pettingill

DIVISION OF  
OIL, GAS & MINING

Browndirt

Well Number:

#4

Location:

NWNE 14-20S-23E

County:

Grand

State:

Utah

Lease Number:

U-32574

Lease Expiration Date:

Unit Name (If Applicable):

Date & Time Spudded:

10-7-83

6:30 p.m.

Dry Hole Spudded

Rotary

Details of Spud (Hole, Casing, Cement, etc.)

11" Hole

Rotary Rig Name & Number:

Approximate Date Rotary Moves In:

FOLLOW WITH SUNDRY NOTICE

Call Received By:

Kr

Date:

10-12-83

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5  
2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other

2. NAME OF OPERATOR  
Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR  
47 W. 200 S., Suite 510. Salt Lake City, UT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 990' FNL 2140' FEL, NW 1/4 NE 1/4  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
U-32574

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA

7. UNIT AGREEMENT NAME  
NA

8. FARM OR LEASE NAME  
Browndirt

9. WELL NO.  
#4

10. FIELD AND POOL, OR WILDCAT  
Greater Cisco Area

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 14, T20S R23E

14. PERMIT NO. 43-019-31090 DATE ISSUED 8/18/83

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUNDED 10/7/83 16. DATE T.D. REACHED 10/9/83 17. DATE COMPL. (Ready to prod.) -- 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* 4706' GR 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 1770' 21. PLUG, BACK T.D., MD & TVD -- 22. IF MULTIPLE COMPL., HOW MANY\* -- 23. INTERVALS DRILLED BY ROTARY TOOLS 10-1770' CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* NA 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction, Formation Density 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7-7/8"	24#	174'	11"	80 sx Class H	

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number) NA

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION Well was plugged & abandoned 10/10/83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS  
Electric Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Linda Conde TITLE Production Manager DATE October 31, 1983

\*(See Instructions and Spaces for Additional Data on Reverse Side)



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other dry

2. NAME OF OPERATOR  
Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR 84101  
47 W. 200 S., Suite 510 Salt Lake City, UT

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' FNL 2140' FEL, NW $\frac{1}{4}$ NE $\frac{1}{4}$   
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-32574

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA

7. UNIT AGREEMENT NAME  
NA

8. FARM OR LEASE NAME  
Browndirt

9. WELL NO.  
#4

10. FIELD OR WILDCAT NAME  
Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 14, T20S R23E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31099

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4706' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

This well was plugged in the following manner:

- Plug #1 1620'-1320' with 60 sx cement
- Plug #2 229'-129' with 30 sx cement

A regulation plug and abandon marker was set with a 10-sack surface plug on April 14, 1984.

When this location is ready for final inspection, another sundry notice will be submitted.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Jinda Conde TITLE Production Mgr. DATE May 3, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**RECEIVED**

**MAY 4 1984**

**DIVISION OF OIL  
GAS & MINING**

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other dry

2. NAME OF OPERATOR  
Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR 84101  
47 W. 200 S., Suite 510 Salt Lake City, UT

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' FNL 2140' FEL, NW1/4NE1/4  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-32574

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA

7. UNIT AGREEMENT NAME  
NA

8. FARM OR LEASE NAME  
Browndirt

9. WELL NO.  
#4

10. FIELD OR WILDCAT NAME  
Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 14, T20S R23E SLB&M

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.  
43-019-31090

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4706' GR\*

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>Reclamation of Access Road</u>			

**RECEIVED**

JUN 28 1984

NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF OIL  
GAS & MINING

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.)\*

We request permission to use a portion of the access road to this dry hole to access the Browndirt #5 gas well. That portion to be used for access to the Browndirt #5 will consequently not be reclaimed as per APD stipulations.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Linda Conde TITLE Exploration Asst. DATE June 27, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: