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HNG Oil CC 3. ADDRESS OF OPERATOR BOX 2267					IVE	D	10. FIELD AND POOL, O	R WILDCAT
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18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	OSED LOCATION* RILLING, COMPLETED, IS LEASE, FT. N		19. PROPOS	ED DEPTH		20. ROTA	20 RY OR CABLE TOOLS Otary	
21. ELEVATIONS (Show who 3356.1 GR.	ether DF, RT, GR, etc.)						June 1977	RK WILL START*
23.	F	PROPOSED CASING	G AND CE	MENTIN	G PROGRAM	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	D T	SETTING I	DEPTH		QUANTITY OF CEMEN	T
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812"	7"	23#to2	26#	9200			sx calc cmt	

PRESSURE CONTROL PROGRAM

6-1/8"

Blow-out preventer and annular preventer with choke manifold and drill string safety valve will be insta-led @ 10-3/4" csg pnt. All equip will be tested to 3000 lb. W.P.

12600

(Same as above) installed @ 7" csg pnt.

4½" liner 13.5#

All equip tested to 5000# W.P. RECEIVED

300 sx cmt top @ 9200

MAY 12 1977

U.S. GEOLOGICAL SURVEY GAS SONES NOT DEDICATED IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data the second 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. SUDERVISOR Idm ON 1/alline SIGNED -DATE (This space for Federal or State office u JUL 1 4 1577 PERMIT NO. APPROVAL DATE JUL 1 4 1977 APPROVED BY CTING DISTRICT ENGINEER DATE APPROVAL IS RESCINDED IF OPERATIONS AND COMMENCED WITHIN 3 MONTHS. DECLARED WATED *See Instructions On Massianse Side NOTIFY UBOS IN SUFFICIENT TIME TO 067 1 4 197 CEMENT BEHIND THE CASING MUST BE CIT

	MEXICO OIL CONSERVATION COMMISSIO	
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P. O. BOX 2267, MIDLAND, TEXAS 79701

(915) 683-4871

Bowden Federal 'A Com. #1

Communitization Applied for

Section	30	T-24-S		R-27-E
Lease:		0353184 0353184 - 4	A	SE/4 NE/4

HNG owns 100%Subject to ORRI

> R. C. Bowden and wife Cathryn N. Bowden SE/4 4/7 of 5% of 8/8 ths. Mrs. H. K. Ireland, Jr. 3/7 of 5% of 8/8 ths. NE/4

R. C. Bowden and wife Cathryn
N. Bowden
5% of 8/8 ths.



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EL PASO FED.-29 #1

1. (A) Pressure control equipment to be used.

- 1 1500 Series Hydrill Annular BOP
- 1 900 Series Double Cameron Type U BOP with blind rams and pipe rams.
 - BOP can be actuated from remote control closing unit. Drill string safety valve will be installed at 10-3/4" casing point.
- (B) Pressure ratings (or API series)

900 Series - 3000# W.P. 1500 Series - 5000# W.P.

(C) Testing procedures and frequency

BOP's will be tested at installation point as indicated on drill permit application.

(D) Schematic Diagram

Attached

2. Mud Program

Type and characteristics-

0 - 400' - Native 400' - 2500' - 10.0 ppg Brinewater 2500' - 10250' - 10.0 ppg Brinewater If higher weight is required, a brine mud would be used having the following characteristics: 10.0 - 12.5 ppg 30 - 50 Viscosity 10 - 20 CC Fluid Loss Quantities and types of weighting material to be maintained-

500 sx Barite on location

RECEIVED

MAY 1 2 1977

SURFACE USE AND OPERATIONS PLAN HNG OIL COMPANY BOWDEN FEDERAL "A" COM #1 EDDY COUNTY, NEW MEXICO

U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

The following information and plans are submitted for the drilling of the subject well as directed in the NTL-6 publication.

- The proposed location is approximately 16 miles due south of Carlsbad, New Mexico. Go south on the Old Caverns road until pavement ends and continue south on caliche road known as the Forehand Crossing road for approximately 2-1/2 miles. The location is 150' west of this county maintained road (see Exhibit #1). No improvements will be necessary for the existing roads.
- 2. The planned access road is shown on Exhibit #2. There will be constructed a 12' wide caliche based road of 150' straight into the well site. The terrain from the existing county road to the well site is relatively flat so that no culverts will be required. Any drainage which will occur will be over an insignificant wide area. No turnouts will be required due to the short length of the proposed access road. A cattleguard will be installed at the point the existing road and the proposed access road begin.
- 3. Location of existing wells are shown on Exhibit #5.
- 4. There are no production facilities on this lease at the present time. If production is established, a production unit will be set at the well site. HNG Oil Company does not have any production, gathering, or service lines within a one mile radius of the proposed location. Exhibit #3 shows the proposed area for production facilities if production is established. It will consist of:
 - A. One 300 bbl. water tank
 - B. One or two 210 oil storage tanks (depending upon amount of production).
 - C. One production unit consisting of treater, high and low pressure separating device.
- 5. The water used in the drilling operations will be purchased from a commercial source. There are no plans to attempt to drill for water on the lease. The purchased water will be trucked to the location, using the existing and proposed roads.
- 6. The proposed access road of 150' will require only grading and a caliche base added. The proposed drill site contains some caliche and when the location is cleared, leveled, and the mud pits dug, this material can be utilized on the proposed access road and drilling site. If additional caliche is required, there is an existing open caliche pit approximately one mile north of the well site.
- 7. Waste material, including drill cuttings, trash, sewage, garbage, chemicals, etc., will be collected in earthen pits and back-filled upon completion of drilling operations. Drilling fluids, oil and/or water will be accumulated in <u>lined</u> reserve pits and will be either recovered or allowed to evaporate. Upon completion of operations, and evaporation or recovery, the pits will be back-filled and leveled burying all residue left in the pits.

SURFACE USE AND OPERATIONS PLAN BOWDEN FEDERAL """ COM #1 EDDY COUNTY, NEW MEXICO PAGE -2-APRIL 14, 1977

- 8. There will be no ancillary facilities required.
- 9. Exhibit #2 shows the drill pad and access road. Exhibit #4 shows the rig layout. The reserve pit will be lined.
- 10. Upon completion of drilling operations, the degree of restoration of the surface will depend upon if production is established. If the operation is not successful, then the whole drill site will be leveled and contoured back to the original form. All pits will be filled, after drying, and all waste material buried. The access road into the drill site will also be removed and leveled unless the B.L.M. desires it be left in place.

If production is established, then the drill pad area will be required for production facilities and as a work and safety area. However, all pits and waste will be either removed or buried as stated above.

The leveling of the pits and removal of the trash and waste will be done no later than thirty days after drilling operations cease. Any additional or special rehabilitation efforts that the B.L.M. requires will be honored.

11. The surface area of both the access road and drill site are federally owned. The surface is leased for cattle grazing. The area around the drill site has a gradual sloping trend to the north. The surface supports a sparse growth of grass and other semi-arid type vegetation.

It is our plan to employ the Agency of Conservation Archaeology at Eastern New Mexico University to make an archaeological study of the subject area.

12. Operator's representative conducting this drilling operation is:

Mr. Phil Stinson 4016 East Everglade Odessa, Texas 79760 Phone - Bus. 1/915/683-4871 Home 1/915/362-6240

13. CERTIFICATION

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 work associated with the operations proposed herein will be performed by HNG Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions which it is approved.

DATE: May 11, 1977 BY:

W. L. Lorette Operations Manager



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SCALE 1" = 40'



BUREAU OF LAND MANAGEMENT ROSWELL, NEW MEXICO

January 29, 1976 Lease # <u>NM-0353184-A</u> Operator <u>HNG Oil Company</u> Well Name <u>I-Bourden Federal "A</u>" com. Location <u>Sec 30, T243, 827E</u> ç

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"STANDARD STIPULATIONS FOR ALL DRILLING IN RELATION TO OIL AND GAS ACTIVITIES IN THE ROSWELL <u>DISTRICT</u>"

(The following list of 14 stipulations are some of the more commonly used stipulations for oil and gas drilling operations in southeastern New Mexico. The blocks checkmarked in red designate the stipulations applicable to the particular drilling permit listed above. Special or additional stipulations (if any) are written in under #15.)

- 1. If, during operations, the operator or any person working in his behalf, discover any historic or prehistoric ruin, monument or site, or any object of antiquity subject to the Antiquities Act of June 8, 1906, (34 Stat. 225, 16 U.S.C. Secs. 431-433), and 43 CFR Part 3, then work will be suspended and the discovery promptly reported to the District Manager. The Bureau will then take such action as required under the Act and regulations thereunder. When directed by the District Manager, the operator will obtain, at his expense, a qualified archaeologist to examine and, if necessary, excavate or gather such ruins or objects.
- 2. All access roads constructed in conjunction with the drilling permit should be limited to <u>12</u> feet in width, along with turnouts. If well is a producer, all roads will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts and/or any other measure deemed necessary by the responsible BLM representative.
- 3. Each existing fence to be crossed by the permittee will be braced and tied off before cutting so as to prevent slacking of the wire. The opening will be protected as necessary during construction to prevent the escape of livestock and upon completion of construction, the fence will be repaired to BLM specifications. A cattleguard with an adjacent 12 foot gate will be installed in any fence where a road is to be regularly traveled.

4. When a road or construction in connection with the drilling operation breaks or destroys a natural barrier used for livestock controls, gap thus opened shall be fenced to prevent drift of livestock. Said fences shall be constructed according to BLM specifications. ないまではなないというないないできたとうないとうないできたいないではないできたいでいいいという

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- 5. Materials removed during construction must be disposed of in such a manner that it does not detract from the aesthetics and does not accelerate erosion. When clearing the area of operations of vegetation other than grass, the vegetation removed will be placed in drainages, washes, gullies, etc., and "walked down" by crawler type tractor. If no drainages are in the immediate area, the vegetation will be "walked down" in place. After construction has been completed, the affected area will be left in as aesthetically pleasing condition as possible. All trash resultant from construction activities will be disposed of. Any large rocks left as a result of construction activities will not be piled or left in rolls but will be left so they do not detract from the scenic attributes of the area and will not hinder the movement of livestock or big game animals.
- 6. Any "available topsoil" encountered during the construction of the drill site area will be stockpiled and made available for re-surfacing of the reserve pit area (after pits are covered) after completion of the drilling operation.
- 7. "Caliche" for use in the construction of the drill pad and access road shall be obtained from existing authorized pits whenever possible, as determined by the responsible BLM representative. No new pits shall be opened without prior approval from the responsible BLM representative.
- 8. The "mud pits" shall be well constructed and under no circumstances will they be allowed to leak or be cut to drain. They shall not be located on natural drainages. Waste or discharge of any kind will not be allowed to enter any drainage. Any plastic material used to line pits and/or sumps shall be cut-off below ground level, as far down as possible, and disposed of before the pits are covered. All unattended pits, containing liquids, will be fenced and the liquid portion allowed to evaporate before the pits are broken.
- 9. All pits found to contain toxic liquids will be fenced and covered with a fine-mesh netting for the protection of wildlife as directed by the responsible BLM representative.

- 10. All waste associated with the drilling operation will be buried in place (in a separate trash pit) or removed and deposited in an approved sanitary landfill. All garbage (metal containers will be crushed) and debris left on site will be buried at least three feet deep. All trash and debris will be buried or removed from the site within one month after removal of the drill rig. The permittee will comply with all state laws and regulations pertaining to the disposal of human waste.
 - 11. If the well is a producer, during cleanup: all cut and fill banks will be made to be no steeper than slope wherever possible.

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- 12. The well "site", if a producer, will be maintained and kept clean of all trash and litter or other foreign material which detracts from the surrounding environment. Maintenance shall also include measures necessary to stabilize soil conditions (other than reseeding) on the road and pad area, and maintenance of facilities associated with said well, to the satisfaction of the District Manager for the lifetime of the well.
- 13. In the event the oil or gas test results in a dry hole, the drill pad and access road will be ripped in accordance with "BLM Roswell Districts' Ripping Recommendations for Caliche or Compacted Drill Pads and Access Roads" (3109). (Reseeding of the affected areas may be required at the discretion of the District Manager).
- 14. All structures above ground not subject to applicable conservation and safety requirements should be painted a non-glare, non-reflective, non-chalking color that simulates the natural colors of the site. (Fed. standard 595, Color 30318)

15. Special Stipulations: