ATTACHED

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY					LC-062749 (B)	
	Y FOR PERMIT	TO DRILL, DEE	PEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
DRILL X DEEPELD.			PLUG BACK		7. UNIT AGREEMENT NAME	
	ELL OTHER		SINGLE MULT ZONE	IPLE	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR					Conoco "A" Federal	
Highland Prod Address of Operator	uction Company				9. WELL NO.	
810 N. Dixie Blvd., Suite 202, Odessa, Texas 79761 4. Location of Well (Report location clearly and in accordance with any State requirements.*)					10. FIELD AND POOL, OR WILDCAT	
····			State requirements.*)		North Mason (Delaware	
	FNL and 2080'	FWL			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zon	e _FNL_and_2080'	F@I			Section 19, T-26-S.	
DISTANCE IN MILES A	ND DIRECTION FROM NEA	REST TOWN OR POST OFF	ICE.		R-32-E, NMPM 12. COUNTY OR PARISH 13. STATE	
21 Miles SW	of Jal, New Mex	ico			Lea New Mexic	
PROPERTY OR LEASE LINE, FT. 330		16.	TO		OF ACKES ASSIGNED HIS WELL	
(Also to degreest drig, unit line, if any) DINTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4120			160 19. PROPOSED DEPTH 20. BOTA ROZAR 4550' to TD		HOTARY OR CABLE TOOLS tary to 4350° and cable too	
. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)	•		10 10	22. APPROX. DATE WORK WILL START*	
3207.7 GR.					February 20, 1989	
		PROPOSED CASING A	ND CEMENTING PROGR	RAM		
12 1/2"	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT	
7 7/8"	<u>8 5/8"</u> 5 1/2"	24 # 15.5#	1100' 4550'	125 S	<u>ks. Class C - Circulate</u> Sks. HLC w/Class C - Cir	
Pressure con Esting wind Proposed con Estimate was Estimate was Logging Proposed Conting of No coring of No abnormal O. Anticipated	ontrol equipmendril on top testle be on instal irculating medi ill encounter will encounter or drill stem to pressures or distarting date	t: Double hyd ted to 3,000 P lation, daily um: 0 - 1, 1 00' ater from 890' il at 4,370'. c velocity gam esting. temperatures a is February 2	SI. Pressure cand on trips. Spud Mud; 1,1 to 950'. ma ray caliper re expected to 0, 1989.	tested ontrol of the control of the	to 3,000 PSI, full diagram is attached. 500' Brine Water; Roxo guard log.	
(This space for Feder.		TITLE	President		DATE Jan. 17, 1989	
PERMIT NO.			APPROVAL DATE			
APPROVED BY			and section of the se		DATE _2-16-89	
CONDITIONS OF APPROVA	L, IF ANY !	11116		<u> </u>	DATE	
AT HOMAL COBSERT ENCHALL NEQUINED PECIAL STIPULATIO	LATS AND					

OCD HO8BS OFFICE

FEB 17 1989

PECEIVED

Delaware

NoRth East Mason

40

cape service acreage ded sites to the walk of a first control person of the site of the compart beha-

je if generalisma gregorismas en en over eller en eller en eller eller som meterspressione del deus i wakerg Eller est amb 200-20

y 16 y mentral make a kendir dia kendirah kenya kendirahan bitak birak terbesak birang kendirah buluk dia sala Birak birang memberak dia medirah dia kemangan birang

the contract of the property of the contract of

graphic Mg Color to the control of the control of

en eksterne it week with the restriction of the street of the first of the country of the country of the street of

Marvin L. Smith

President

Highland Production Company

January 16. 1989

nereby iterative that the were recentral above an iterative plant was about an form the account of action, surveys made by me a under he succeives or and that the same is true und connect to the best of my knowledge and belief

The property of the second of

September 10 JOHN W NEST OF

PONALO U E 05. N

MULTI-POINT SURFACE USE AND CPERATIONS PLAN

HIGHLAND PRODUCTION COMPANY
Conoco "A" Federal Well No. 3
Unit Letter H, 330' FEL and 2310' FNL
Section 19, T-26-S, R-32-E
Lea County, New Mexico

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

Exhibit $\underline{\mathcal{A}}$ is a portion of a United States Geological Survey Topographic Map covering a part of T-26-S, R-32-E, Lea County, New Mexico which shows the location of the proposed well as staked. Also included on Exhibit $\underline{\mathcal{A}}$ is nearby New Mexico State Highways, 652 as well as all existing roads within a one mile radius of the proposed well site and the plannal access road.

To reach the proposed well site: Drive North on Highway 652, turn left ten (10) miles North of the Texas/New Mexico State Line, go approximately 3960', turn right on existing lease road, go 1320' to existing lease road, turn left, go 330' on existing road, turn right, go 990' on existing lease road to existing location, then 990' due north on proposed new lease road.

2. PLANNED ACCESS ROADS:

- A. Length and Width: The required new access road from existing lease road will be approximately 990ft. long. The new road is labeled and color coded red on Exhibit $\underline{\mathcal{B}}$. The center line of the proposed new road from the edge of the well site to the existing access road has been staked and flagged with the stakes being visible from one stake to the next.
- 3. <u>SURFACING MATERIAL</u>: Six inches of calibbe, water, compacted and graded.
- C. MAKIMUM CRASE: Three (3) percent.

RECEIVED

FEB 17 1989

OCD HOBIS OFFICE

- D. TURNOUTS: No new turnouts required.
- E. DRAINAGE (FSIGN: New road will have a drop of six (5) inches from the center
- F. CULVERTS: None required.
- G. CUTS AND FILLS: None required.
- H. CATTLEGUARDS: None required.

3. LOCATION OF EXISTING WELLS:

All existing wells within a one-mile radius of the proposed drill site are shown on Exhibit $\boldsymbol{\subset}$.

4. LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES:

- A. EXISTING FACILITIES: Existing production facilities are shown on Exhibit $\underline{\mathcal{D}}$.
- B. PROPOSED FACILITIES: None required. Flowline from well to tank battery is shown Exhibit $\underline{\mathcal{O}}$.

5. LOCATION AND TYPE OF WATER SUPPLY:

Water for drilling the proposed well will be trucked in and provided by water station in Jal, NM,

6. SOURCE OF CONSTRUCTION MATERIALS:

Caliche for surfaceing the road and well pad will be obtained from the contractors pit.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. DRILL CUTTINGS: Drill cuttings will be disposed of in drilling pits.
- B. <u>DRILLING FLUIDS</u>: Drilling fluids will be allowed to evaporate in drilling pits until the pits are dry. While the drilling pits are in the evaporation stage, they will be adequately fenced so as not to be a hazard to people or livestock.
- C. <u>FORMATION WATER AND OIL</u>: Although not anticipated, any produced formation water will be disposed of in the drilling pits. Oil produced from the well during tests will be stored in test tanks until sold.
- D. HUMAN WASTE: All current laws and regulation pertaining to the disposal of human waste will be complied with.

- E. TRASH, WASTE PAPER, CARBAGE, AND JUNK: All trash, waste paper, garbage, and junk will be buried in a trash pit located adjacent to the reserve pit and will be covered with a minimum of 24 inches of dirt. Before burial, the waste material will be contained to prevent scattering by the wind. The location of the trash pit is shown in Exhibit $\underline{\mathcal{E}}$.
- F. TRASH BURIAL: All trash and debris will be buried or removed from the well site within thirty (30) days after finishing well completion operations.

8. ANCILLARY FACILITIES:

None required.

9. WELLSITE LAYOUT:

- A. <u>WELLSITE BOUNDARIES</u>: The boundaries of the wellsite have been staked and flagged.
- B. RIG COMPONENTS: Exhibits $\underline{\mathcal{E}}$ and $\underline{\mathcal{F}}$ show the relative location and diminsions of the well pad, mud pits, reserve pit, trash pit, and location of major rig components.
- C. WELLSITE LEVELLING: Only minor levelling of the wellsite will be required. No cuts or fills will be necessary.
- D. PIT LINING: The reserve pit will be plastic lined.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. EQUIPMENT REMOVAL: After the finishing of drilling and/or completion operations, all drilling equipment and other material not needed for routine operations will be removed from the wellsite. Pits will be filled and the location cleaned of all trash and junk thus leaving the wellsite in an aesthetically pleasing condition.
- B. <u>UNCUARDED PITS</u>: Any unguarded pits containing fluid will be fenced until they are back-filled.
- C. WELL ABANDONMENT: Upon abandoning the proposed well, the surface restoration will be in accordance with the agreement with the surface owner. As stated above, the pits will be filled and the location will be cleaned. The pit area, well pad, and all unneeded access roads will be ripped to promote vegetation. Rehabilitation will be accomplished within 90 days after abondonment.

11. OTHER INFORMATION:

- A. <u>TOPOCRAPHY</u>: The wellsite is located on a plain which slopes to the southeast at the rate of 40 feet/mile.
- B. SOIL: The surface consists of sandy soil.
- C. <u>FLORA AND FAUNA</u>: The vegetation cover is generally sparse and consists of mesquite and perennial native range grasses.

RECEIVED

FE : 17 1989

OCD MOLES OFFICE Wildlife in the area is typical and semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, doves, and quail.

- D. . POMOS AND STREAMS: There are no rivers, streams, ponds, or lakes in the area.
- E. RESIDENCES AND OTHER STRUCTURES: The nearest occupied dwellings are on a ranch three miles SE of wellsite. The closest water well is located at the above dwelling.
- F. ARCHEOLOGICAL, HISTORICAL, AND CULTURAL SITES: None observed in the area.
- G. LAND USE: Grazing.
- H. <u>SURFACE OWNERSHIP:</u> Well is on surface owned by Malcom Madera of Les County, New Mexico.

12. OPERATOR"S REPRESENTATIVES:

The field representatives responsible for assuring compliance with the approved Surface Use and Operations Plan are as follows:

Marvin L. Smith 810 N. Dixie Blvd., Suite 202 Odessa, Tx 79761 Office: 915-332-0275 Home: 915-535-2204

13. CERTIFICATION:

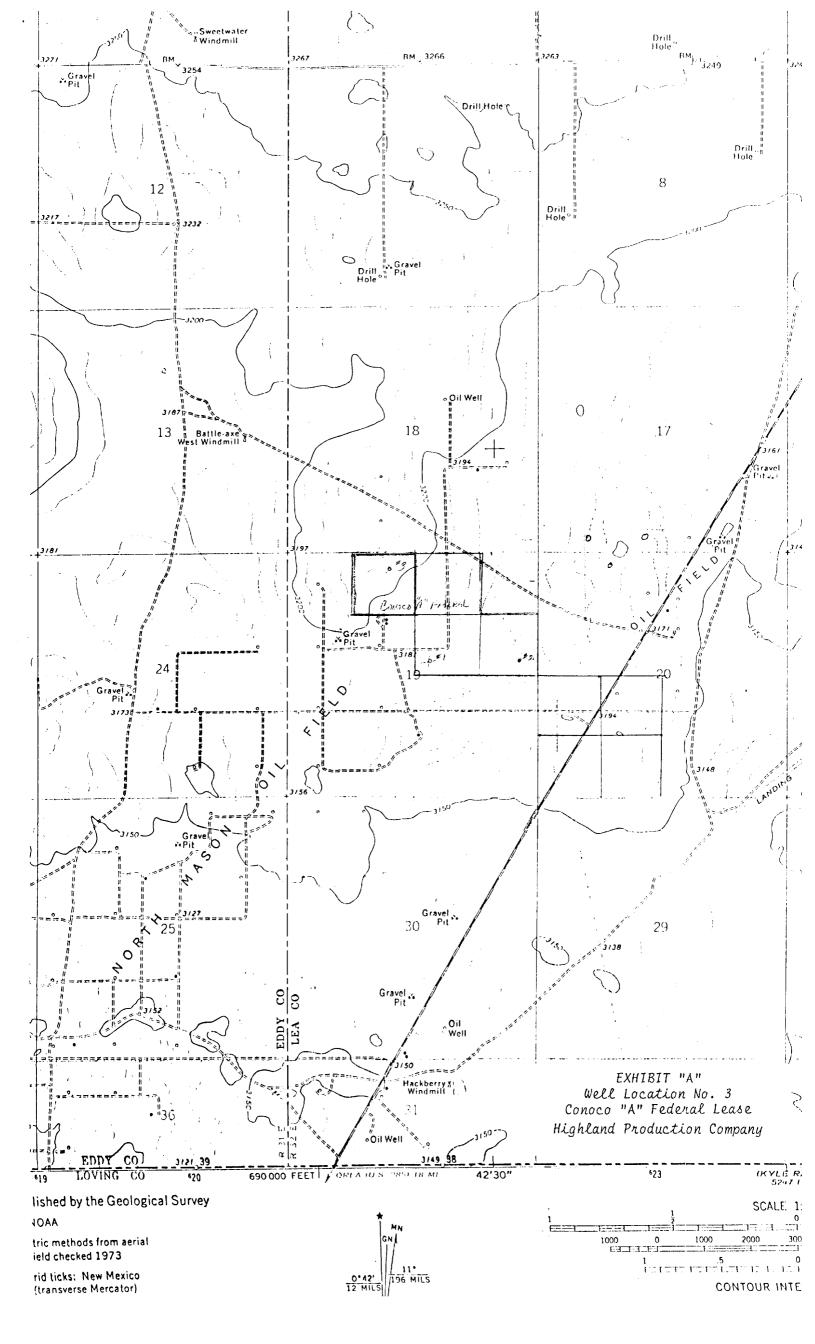
I hearby certify that I, or persons under-my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated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

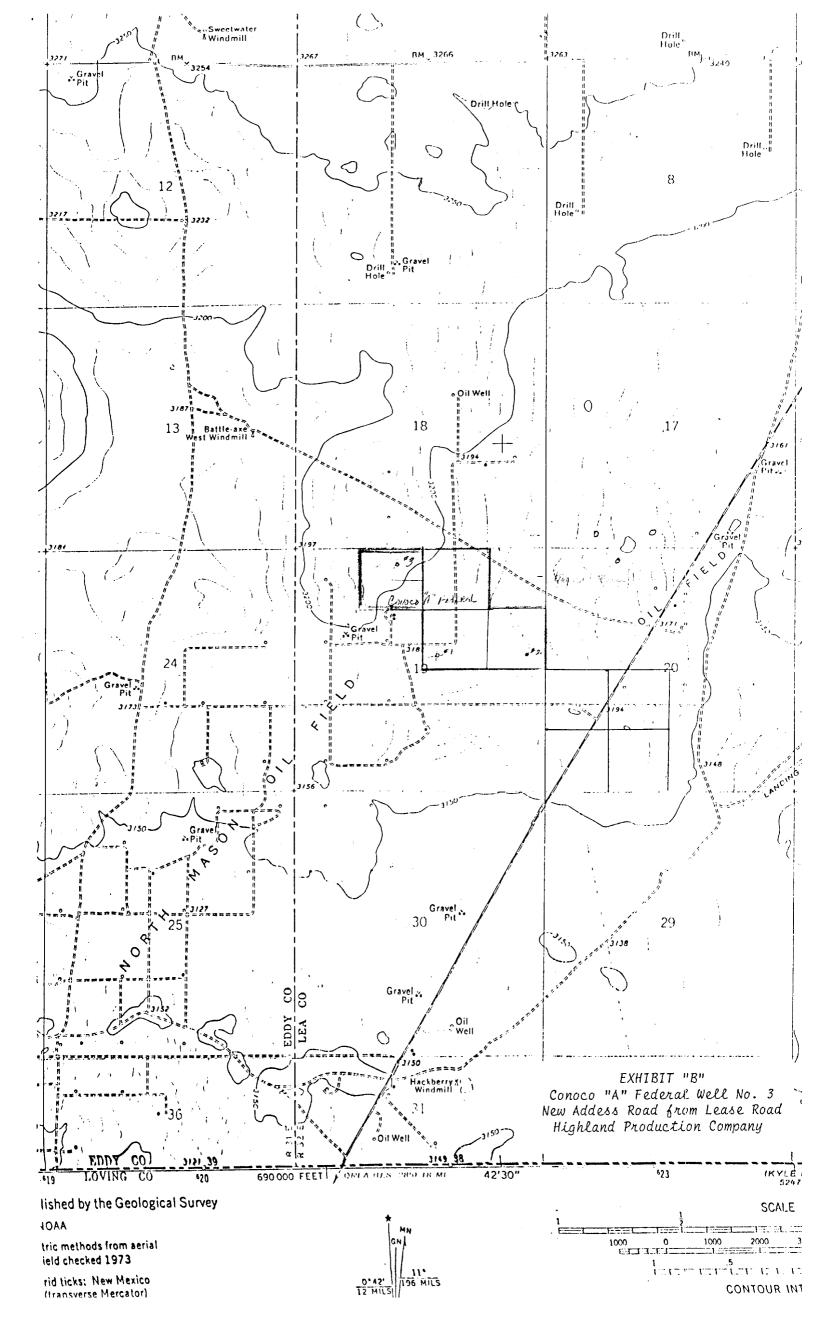
January 16, 1989

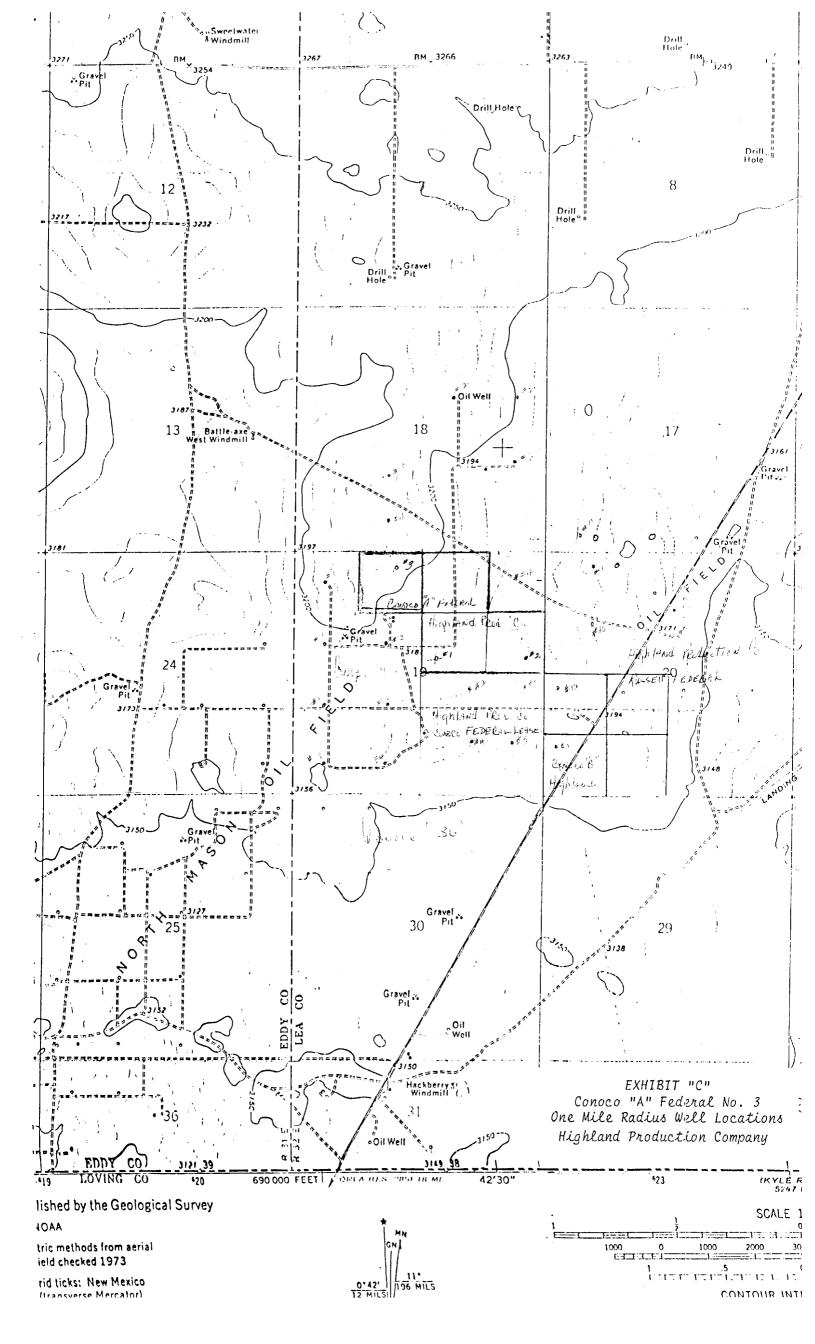
Date

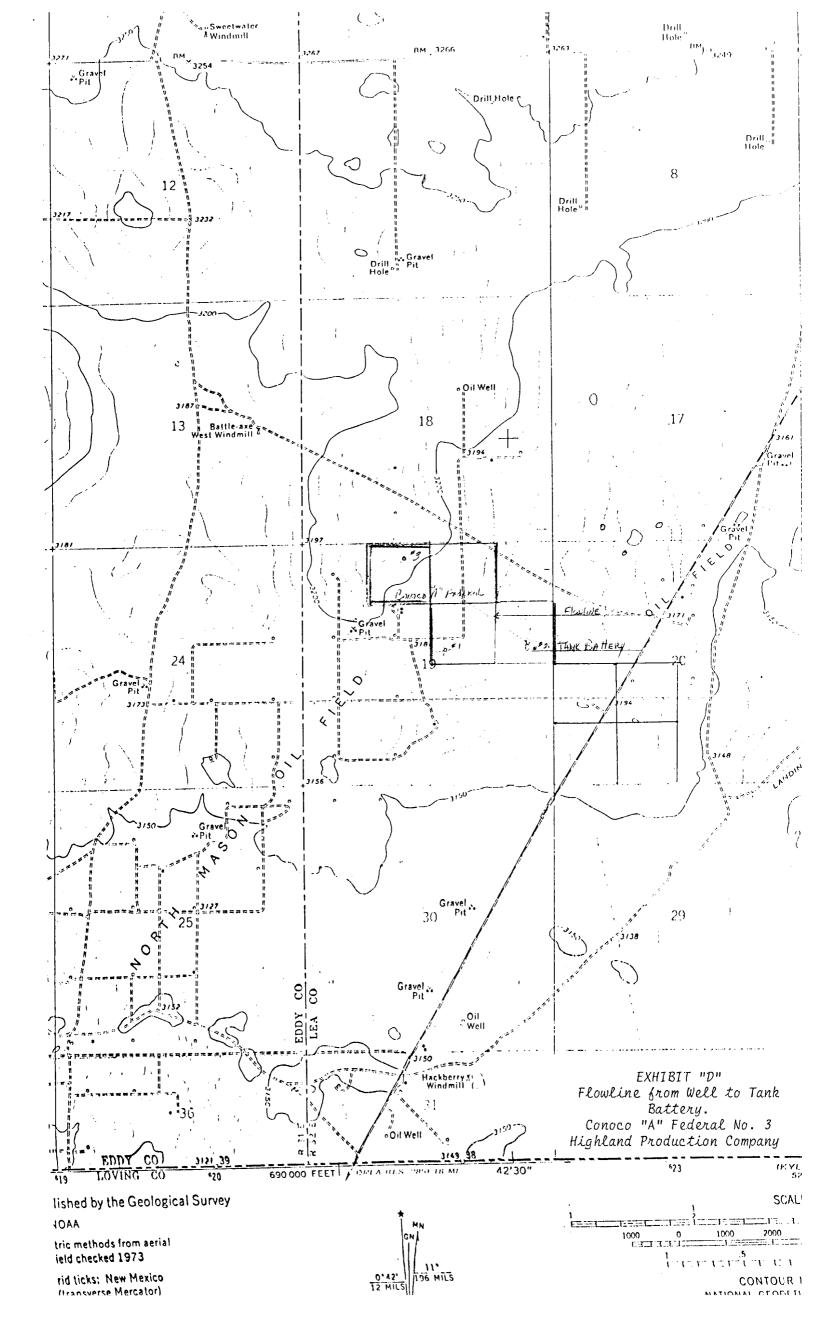
Marvin L. Smith Drilling Supervisor

Highland Production Company









Shaffer Type E Series 900 Hydraulic B.O.P.

3000 PSI WORKING PRESSURE PLOWOUT PREVENTER HOOK-UP

Series 900 Nonges, or Benefi.

Note: B.O.P system will meet the conditions of drilling approval required by the USGS District Office in Hobbs, New Mexico.

Application to Drill Conoco "A" Federal No. 3 Highland Production Company

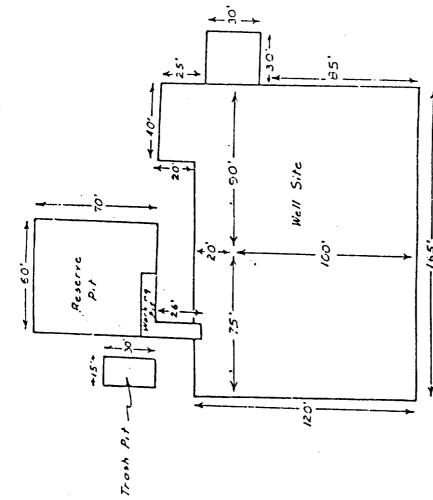
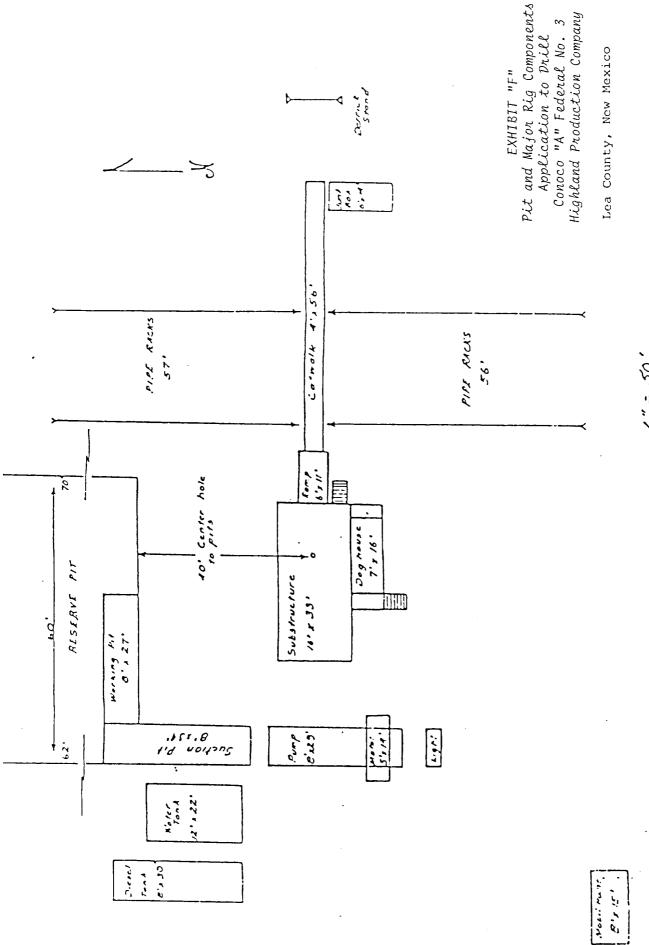


EXHIBIT "E"
Trash Pit - Welk Pad Layout
Conoco "A" Federal No. 3
Application to Prill
Highland Production Company

SCUTH

EAST



RECEIVED

FEB 17 1989

OCE HCBBS OFFICE

ASE ROTARY TABLE

Application to Drill Conoco "A" Federal No. 3 Highland Production Company

RECE:

FEB 17 1989

OCD HOBBS OFFICE

EFE