#### SUBMIT IN TRIPLICATE\*

(Other justructions on reverse side)

Form approved.

	Budget	Bureau	No.	42-R1 <b>425</b> .	
	380 -	04/5	<b>S</b> .	20125	
5.	LEASE DESIG	NATION A	ND S	BRIAL NO.	

#### UNITED STATES DEPARTMENT OF THE INTERIOR

**GEOLOGICAL SURVEY** 

SF-078872A

APPLICATION FOR PERMIT	O DRILL, DEEPE	N, OR PLUG B	ACK	S. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1a. TYPE OF WORK  DRILL X	DEEPEN	PLUG BAC	K 🗀	7. UNIT A PLEMENT NA	XI
b. TYPE OF WELL OIL GAS WELL X OTHER		NGLE MUCTIPL ZONE	E X	S. FARM OR LEASE NAM	#
2. NAME OF OPERATOR  Hughy Oil Company				Bolack 2	
Husky Oil Company 3. ADDRESS OF OPERATOR				3-R	
600 S. Cherry St.,	Denver. CO	80222		10. PIELD AND POOL, OF	WILDCAT
4. LOCATION OF WELL (Report location clearly and				Basin, Dak	ota
At surface	FOI DDI /CH I	un)		11. SEC., T., B., M., OR B	LK.
1550 'FNL, 19 At proposed prof some Same	SO FEL (SW	NE)		Sec 21-T27	
14. DISTANCE IN MILES AND DIRECTION FROM NEAD	REST TOWN OR POST OFFIC	e•		12. COUNTY OR PARISH	13. STATE
Approx. 12 miles so	uth of Bloom	field, N.M.		San Juan	N.M.
15. DISTANCE FROM PROPUSED*	16. No	OF ACRES IN LEASE		OF ACRES ASSIGNED	
(Also to nearest orly onic line, if any)		2401.76	E	BY OR CABLE TOOLS	
TO SULDEST WELL OBLIES, COMPLETED (AL	bried ior)	1			
OR APPLIED FOR, ON THIS LEASE, FTAPPIOX. 2 21. ELEVATIONS (Show whether DF. RT, GR, etc.)	000'	6 <b>75</b> 0	Ro	tary 22. SPEROX. DATE WOL	WILL STARTS
6317 GR				5/1/80	
	PROPOSED CASING ANI	CEMENTING PROGRA	M		
SIZE OF HOLE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	ı	QUANTITY OF CEMEN	Т
12 1/4"   8 5/8"	24 or 28	±250'	+	150 sx	Uline 1
7 7/8" 5 1/2"	15.5	±6750'			tal cement
			est.	at 700 sx.	
formation. We protesting and to set in accordance with See attached BOPE attachements for described processed program: If	casing, as instruction schematic and instruction	above, or to s received fr d multi-point	plug om th requ	and abandon e U.S.G.S. irements and MAR 26 198 OIL CON. COI DIST. 3	W.
zone. if proposal is to drill or deepen direction preventer program, if any.  24.	ally, give pertinent data o	on subsurface locations an	d measure	d and true vertical depth	s. Give blowout
MIGNED Andrew S. Peters	TITLE _	DRLG. ENGR.		DATE	
(This space for Federal or State office use)					
DEB MIT NO		APPROVAL DATE		PPROVED	
PERMIT NO.		ALL BUTAL DALE	\ \rac{1}{2}	CAMENDED	)
APPROVED BY	TITLE		AS	DATE	
CONDITIONS OF APPROVAL, IF ANY:			1	Janes 2 1980	
ASL 1167 ch Fred			O	JAMES F. SIMS ISTRICT ENGINEER	

MMOCC

### OIL CONSERVATION DIVISION

. STATE OF NEW MEXICO EMERGY AND MINERALS DEPARTMENT

## P. O. BOX 2048 SANTA FE, NEW MEXICO 87501

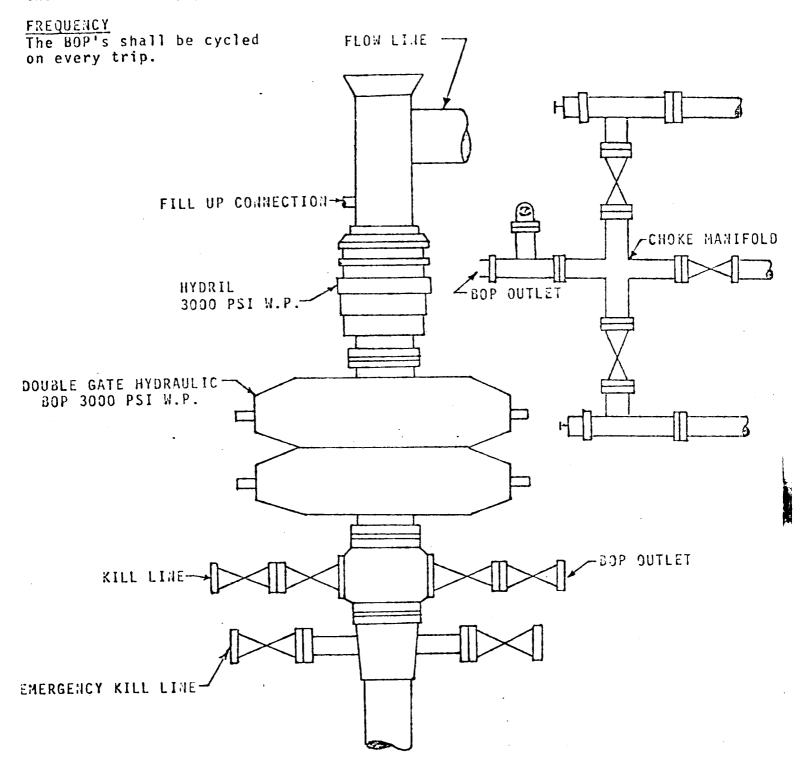
Form C-107 Revised 10-1-78

All distances must be from the cuter houndaries of the Section.

Cperator Lease											
HUSKY OIL, LIMITED					BOLACK "				Well No.		
Unit Letter	10 miles.ip					County	County		]3-R		
G	21		27N		11W San Juan		Juan				
Actual Footage Loc	ation of	Well:		<del></del>			2411	- uan	<del></del>		
1550	feet f	rom the N	orth	line and	1950	fant	<b>/ *</b> • •	East			
Ground Level Elev. Producing Formation					Pool			Day	Dedica	line	
6317 Dakora				Į	Bosm Dakora				Dedicated Acreage:		
1. Outline th	e acre	age dedicat	ed to the s	whiest we	ll by nalsas	J 1	1 ,	•	<u> </u>	320 Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  Yes No If answer is "yes;" type of consolidation 320 Acre Proration Unit If answer is "no;" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a near steady of the consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a near steady of the consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a near steady of the consolidated (by communitization, unitization,											
forced-pool	ing, or	otherwise) o	to the wel	l until all i n-standard	interests have unit, elimin	ve been co ating such	interests	ed (by com	muniti: appro	zation, unitization, ved by the Commis-	
						<del>4-11-7-1-1-1</del>			CERT	IFICATION	
				1550	! ! !			toined her	rein is ti v knowle	nat the information con- rue and complete to the dge and belief.	
		, Se	c.	•		1950'		Dailling Position Husky Company 2/12/ Date	0,1	COMPANY.	
		320 Acus		21	FEB u. s. beold	EIVEI 27 TO OGICAL SUR GTON, N. M	VEY	Date Surveyed Promoto Land S	simple au pervisit and bell an	(.1980 nul Epolpeer	
								Fred B	- Ker	r. Jr. "	

#### TEST.

After nippling up on surface pipe, but before drilling out the cement plug, the BOP's shall be tested to the rated working pressure.



# HUSKY OIL COMPANY 3-R Bolack Attachment to APD (Form 9-331C)

- 1. Surface formation: Nacimiento
- 2. Important geological formations:

Ojo Alamo	850 <b>'</b>
Kirtland	970 <b>'</b>
Fruitland	1715'
Pictured Cliffs	1935'
Mancos	4675'
Gallup	5530'
Greenhorn	6375 <b>'</b>
Graneros Sh	6430'

- 3. Gas is anticipated in the Dakota formation at 6535'.
- 4. Casing program:

8 5/8", 24 or 28 #/ft, K-55, ST&C new casing to  $\pm 250$ '. 5 1/2", 15.50 #/ft, K-55, LT&C new casing to  $\pm 6750$ '.

#### 5. Pressure control:

10" x 8 5/8", 900 series casing head for drilling below surface casing.
10", 900 series 3000 #wp dual RAM hydraulic blowout preventers for drilling below surface casing. All choke lines, choke manifold, valves, fittings, etc., will have a minimum pressure rating of 3000 psi. All BOPE will be pressure tested prior to drilling out the surface casing shoe and tested daily for mechanical operation.

#### 6. Mud program:

0-250' - Mud at company discretion to maintain good hole conditions to run surface casing. 2200' - 6200' - Low solids system with weight 8.8-9.0 ppg and viscosity of 28 - 30 sec./qt. 6200'-TD - Fresh water gel system with weight 8.8-9.2 ppg and viscosity of 35-65 sec./qt.

#### 7. Auxilliary equipment:

Kelly cock with stabbing valve on floor. Mud monitoring will be visual only.

8. Testing, logging and coring program:

Logging - Induction electric log from TD to base of surface casing.

- FDC/CNL Across bottom 1500'of hole.

Testing - No DST's are planned Coring - No cores are planned

9. Abnormal hazards:

Neither abnormal pressures, temperatures, nor potential hazards, such as H2s kets is expected. The maximum BHP should not exceed 2925 psi at TD.

10. Anticipated Spud date: May 1, 1980
Anticipated duration: 15 days for drilling

#### EXHIBITS

- A. Location with route marked.
- B. Vicinity topographic map showing locations and roads within one mile radius.
- C. Drilling layout and location cross sections.

#### 1. Existing roads:

- A. See Exhibits 'A' and 'B'
- B. Take Hwy #44 south out of Bloomfield 9 miles to NIIP road on right side of highway. Turn right and proceed 100 yds. to dirt road on left side (south). Take dirt road 2.1 miles south to intersection. Follow lath left (east) on existing road 800'. Staking for new access road will be on right side of road 600' south.
- C. See Exhibit 'B'.
- D. NA
- E. See Exhibit 'B'
- F. We plant to grade the existing and access roads as necessary to provide access.

#### 2. Planned access roads:

- A. Width: 18'
- B. Maximum grades: Less than 1%
- C. Turnouts: None needed
- D. Drainage design: Not required
- E. Culverts, cuts and fills: No culverts should be required and there are no major cuts or fills.
- F. Surfacing materials: None anticipated for drilling phase. Should materials be necessary they will be obtained from a commercial source.
- G. Gates, cattleguards or fence cuts: None
- H. New or reconstructed roads: Centerline flagged
- 3. Location of existing wells:
  - A-H. See Exhibit 'B'.

- 4. Location of existing and/or proposed facilities:
  - A. Husky does not own existing facilities within 1-mile radius.
  - B. Required production equipment will be determined following completion of well.
  - C. Plans for rehabilitation: The facility area will be rehabilitated by filling the pit, leveling, spreading topsoil and reseeding according to NIIP stipulations. (See Section 10)
- 5. Location and type of water supply:
  - A. Water will be purchased from Hilltop Stone well.
  - B. Water will be trucked via existing roads.
  - C. No water well will be drilled on location.
- 6. Source of construction materials:
  - A-D For the drilling operations, any construction materials will come from the site. Should additional materials be needed, they will be purchased from a commercial source.
- 7. Methods for handling waste disposal:
  - A. Cuttings: Disposed of in reserve pit and buried.
  - B. Drilling fluids: Disposed of in reserve pit and buried after the pit has dried.
  - C. Produced fluids: Liquids produced during the completion operation will be produced into tanks, the water drained to the pit and the oil saved.
  - D. Sewage: Portable toilets.
  - E. Garbage and other waste material: Disposal in a burn pit (enclosed with wire mesh screen) and ultimately buried.
  - F. The location will be cleaned upon completion or abandonment of the well. All pits will be fenced. After the reserve pit has dried, it will be filled, waste buried and restoration done as per Section 10.
- 8. Ancillary facilities: None

- 9. Well site layout:
  - Α.
  - B. See Exhibit 'C'
  - C.
  - D. Pits will be unlined
- 10. Plans for restoration of the surface:
  - Α.

Upon completion or abandonment of the well, the pits will be fenced on all four sides and allowed to dry, then backfilled, burying waste and leveling and recontouring as is practical.

- B. The topsoil will be spread over that area and reseeded per NIIP specifications. The access road if not needed, will also be reseeded.
- C. Upon release of the rig, the pits will be fenced, and so maintained until clean-up (See A above).
- D. The pits will have overhead flagging installed if oil is present.
- E. Restoration should be completed during the fall of 1980.
- 11. Other information:
  - A. The location falls on the side of a gently sloping hill. Vegetation is approximately 30% bare, 30% sage, and 40% grass and weeds.
  - B. The location falls in the NIIP.
  - C. There are no known archaelogical, historical or cultural sites in the area.
- 12. Lessee's of operators representative:

Gerald D. Gentry 600 Sc. Cherry St. Denver, CO 80222 Phone: 303/320-4040

#### 13. Certification:

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

1/23/80

Andrew S. Peterson Drilling Engineer Husky Oil Company

