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	roposed prod. zot					s is knjo €G	i I	Sec 11 , T26S, R37E
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23.	3002.2'G	۱ ۲		PROPOSED CASING				1. 10-5-22
	ZE 02 1101.5	su	LE OF CASING	WEIGHT FER FOOT		TING DEPTH	6.51 	QUASTITY OF CEMENT
12-			8-5/8"	24#	+	500'	Suff.	to circulate to surface.
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1. 2&3.	The geolog Formation Salado Yates 7 Rivers	jic na Tops	(Estimated) TT ATTAC: #5	+ 11 + 25 + 25	170 ' Sa 580 ' Po 390 ' Po	lt ssible	ime (Miocene). oil or gas producer oil or gas producer
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4.	Penrose Run 8-5/8"	' OD.					1 and o	gas to surface. Run 5½" OD,
5.	15.5#, K-5 surface ca Blowout pr each size 2", kill 1 be install be maintai	55 new asing revent drill line w led, t ined r	v casing to in two sta tors: Hydr pipe in t vill be 2", tested and ready for u	T. D. ∖and o ges. Casingho aulic, double he hole. One choke relief in working oro	cement w ead will ram, 10 set of line wi der befo ling ope	vith a suf be a 10")". One s blind ram ill be 2" p pre drilli	ficien 900 se et of n s at a with va ng bele	t amount to circulate up into eries w/a 3000 psi rating. rams will be provided for 11 times. Fill line will be ariable choke. BOP's will ow surface casing and shall pleted. BOP's; drills, and
6.	We will us	se; sp	oud mud = 0	- <u>+</u> 500'. (8.5 -	- 9.0 lt	. per gal	lorì l	Bring gel = 500'-TD. (9.0 -
	10.0 lb. p Auxiliary	per ga	illon)					
	a. Kelly c	ock w	ill be in	use at all tir	nes.			
	b. Stabbin	ng val Nitori	ve to fit	drill pipe wi	ll be pr	resent on	floor a	at all times.
	d. Floats	at bi	its.					nticipated in this ares.
	e. Drill s	string	jsafety v	alve (s) to f	it all p	pipe in the	e dril	l string will be maintained
8.	This well	will	be pump te	illing operat sted after red	covery c	of any load	d oil d	or water. No cores will be
	taken. DL	.L-GR,	, CNL-FDC-G	R caliper, and	d BHC Sc	onic loas v	will be	e taken. Any other ovalua-
9.	No abnorma	may p 1 pre	e necessar essures or	y during the d temperatures a	arilling are anti	j of this v cipated.	well w See po	ill be conducted as needed.
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	to any pur	chase	er as of th	is date.				The gas is not dedicated
1	witness ce and accide be obtained	ementi ents i d befo	ng operati nvolving l pre appreci	ons. Immediat ife-threatenir	te notic ng injur drillin	e will be ries or lo: g program	given ss of or com	ding in sufficient time to on blowouts, fires, spills, life. Prior approval will mencing plugging operations, rations.
260C. 11	SPACE DESCRIPE proposal is to d program, if any	orni or c	seepen directional	roposal is to deepen of by, give pertinent data	on subsurf:	ace locations and	cent produ	uctive rone and proposed new productive band true vertical depths. Give blowout
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All valves 2"

All BOPs, flanges, spools, valves, & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

Denver, Colorado

RECEN ED

1. 1977

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UMM.

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C-102 × Supersedes C-128 Effective 1-1-55

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		All distances must be from			·····				
TENNECC	OIL COMPANY	L	Leonard B	Well Nc. 12					
C'nit Letter	Section	Township	Range	County					
G	11,	26 South	37 East	Lea					
Actual Foctage Location of Well: 1980 feet from the north line and 1980 feet from the east line									
Ground Level Elev.	Producing For		100 100	a nom the Cast	line Dedicated Acreage:				
3002.2	Queen-	Penrose	Leonard Quee	n South	40 Acres				
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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									
sion.			ant, chimating suc		approved by the Commis-				
				tained he	CERTIFICATION , certify that the information con- trein is true and complete to the y knowledge and belief.				
	 + 	0			Draky cion Analyst 0 Oil Company				
			ALL ALEXICO	I hereby shown on notes of under my is true of knowledg	2, 1977 certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my e and belief. red 7, 1977				
0 330 660	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2310 2640 2000	1800 1000 1		Protessional Engineer d Surveyor				

RECENCED UNA 21977 OIL CLASSING AND MM.

SURFACE USE PLAN

- Existing Roads 1.
 - a. See surveyor's plat for actual staking.
 - b. This well site is located approximately 3 miles SE and 1½ miles E of Jal, N.M. Drive SE on 18 for 3 miles and turn E on Lease Rd. $\frac{1}{3}$ mile past mile marker #5. Follow map on Exhibit "B" from there.
 - c. See exhibit "B" for access roads.

 - d. This is not an exploratory well.e. See Exhibit "B" for one mile radius road map.f. No improvements or maintenance is anticipated for existing roads.
- <u>Planned Access Roads</u> a&b. See Exhibit "B". We plan to construct 1700 ' of 12' wide road. We will construct water bars where necessary. This area is nearly level.
 - c. There will be no turnouts.
 - d&e. Water bars will be constructed where required to prevent erosion. New road will have a 6" drop from center line on each side. Road will be cut into any arroyos and sloped across bottom to maintain normal drainage. Cuts and fills will be kept to a minimum.
 - f. We will use six inches of caliche, bladed, watered, and compacted on the road surface.
 - g. No gates, cattleguards, or fences will be needed. h. Proposed road has been center line flagged.
- Location of Existing Wells a-i. See Exhibits "B" and "C" for locations of existing wells.
- 4. Location of Existing and or Proposed Facilities.
 - a&b. See Exhibit "D".
 - c. Rehabilitation will commence immediately following removal of drilling and completion equipment from location. Pits will be backfilled and leveled as soon as practical to to original condition. (See section 10 below)

1181 L 1 601

- d. We are hereby applying for construction of all necessary lines to the tank battery as shown on Exhibit "D".
- Location and Type of Water Supply a&b. Water will be hauled from Jal, New Mexico over existing roads.
 - c. No water well will be drilled.
- Source of Construction Materials
 - a-d. Caliche for surfacing new road and location will be hauled over existing roads from pits located in Sec.23, 14, & 15 T26S, R37E. Caliche will be bought from the Federal Gov't. No new access roads across federal or Indian lands will be needed.
- 7. Methods for Handling Waste Disposal
 - a. Cuttings will be disposed of in the reserve pit.
 - b&c. Drilling fluids and produced water will be collected in the reserve pit and hauled away to an approved disposal system or a separate disposal application will be submitted. Any produced oil will be run to the tank.
 - d&e. All detrimental debris will be hauled away or burned or buried with a minimum cover of 36" of dirt. Barrel trash containers will be placed around location during drilling and completion operations.
 - f. See section 4:c above and section 10 below for clean up operations.
- Ancilliary Facilities 8. a. No camps or airstrips will be needed.
- Well Site Lay out 9.
 - a-c. See Exhibit "A"
 - d. Pits will be lined with plastic and covered with a fine mesh netting if necessary for the protection of wildlife if fluids are found to be toxic.
- 10. Plans for Restoration of Surface
 - a. See section 4:c and section 7:a-f.
 - b. Location will be reseeded as per BLM specifications if well is productive. If unproductive, roads and location will be ripped and reseeded as per BLM specifications.
 - c. Prior to rig release, pits will be fenced and so maintained until cleanup.
 - d. If any oil is on the pit, it will be removed or flagged.
 - e. See section 4:c for time table.

(continued on next page)

11. Other Information

- a. Site is located in low rolling sand hills as can be seen on Exhibit "B". The soil is very sandy with sparse vegetation. The vegetation consists of grass, wood, shinnery and other semi desert plants.
- b. The surface is used for grazing. c. There are no ponds or streams within $\frac{1}{2}$ mile of location. No buildings residences or water wells are within $\frac{1}{2}$ mile of location.
- d. A sign identifying and locating well will be maintained at the drill site with the spudding of this well.
- e. There were no archeological resources observed at this site.
- f. All open pits will be fenced.
- 12. Operator's Representative.
 - a. Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows: Darrell Brown, 1860 Lincoln, Suite 1200, Denver, Colorado 80295 Office = 303/292-9920 ext. 254 Home = 303/771 - 8297
- 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 as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

APR 14 1977

Date

Brong D.

Division Drilling Engineer

Due to shifting sand dunes, some sand may have to be pushed off location but major cuts or fills will be kept to a minimum in this nearly level terrain.





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----Existing Trails --- Proposed Roads --- Flow Lines on Surface







Tank Battery and Flow Lines

If production is encountered, a central tank will be located approximately from 1000'-1150' FWL and 1000'-1200'FSL of Sec.13, T26S, R37E in Lea County, New Mexico. A 3' high dirt dike will enclose and contain possible spills. The entire location will be enclosed with a 3' strand barb wire fence to exclude domestic animals and wildlife from entering. A cattle guard will be built on the east side to facilitate entering. Approximately 20 feet of road will be built connecting the cattleguard and an existing road. Road and entrance will be surfaced with caliche as explained in the Surface Use Plan.

All flowlines will be run to the tank battery test header paralleling each other as closely as possible to create the least amount of surface disturbance that is possible.

LEONARD BROS PROPOSEN CF. UTPAL SUBJECT TAUR BATTER LOCATION KEA CO. N.M. BY DRC 4-DATE 6-77 ESTIMATED PRODUCTION! 700 BOPD WELLS 14 700 EWPD WELLS 150 TREATEDS x 26 FWKO TNREE 3000 がって 00 DIPT GUARD 500 500 500 (500 STOCK TANKS ϛͷϿ ·J 1000 FSL 035 75 SYSTEM SEL, R SCALE 1:100



U. S. Geological Survey

HOBBS DISTRICT

Tenneco Oil Company No. 12 Leonard Bros. SW¼NE¼ sec. 11-26S-37E Lea County, N. M.

Above Data Required on Well Sign

:

CONDITIONS OF APPROVAL

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Oil and Gas Leases, dated January 1, 1977.
- 2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.
- 3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
- 4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plugback work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.
- 5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
- 6. 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.
- 7. 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).
- 8. All structures and pipelines 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. The Federal Standard Number to be used is Fed. Stand. 595, Color 30318.