	ممسر	COP'	Y TO O. C. C. SUBMIT IN T				
Form 9-331 C (May 1963)			(Other instru	Budget Burean No. 42 R1425			
(MIR) YORA	UNIT	ED STATES	reverse s	JO OR LOOK			
		OF THE INTI	RIOR	5 LEASE DESIGNATION AND SERIAL NO.			
		GICAL SURVEY		NM 11333 6. IF INDIAN, ALLOTTEE OR TRUCK NAME			
APPLICATION	N FOR PERMIT T	O DRILL, DEE	PEN, OR PLUG	BACK 6. IF INDIAN, ALTOTICE OR TRACK NOW.			
19 TYPE OF WORK			PLUG BA				
		DEEPEN	PLUG BA				
b. TYPE OF WELL OIL G.	AS OTHER		SINGLE MULTI	PLE 8. FARM OR LEASE NAME			
2. NAME OF OPERATOR	ELL OTHER			Federal 31			
Belco Petrole	um Corporation			9. WELL NO.			
3. APORESS OF OPERATOR				10. FIELD AND POOL, OR WILDCAT			
10,000 Old Ka	ty Road, Houston	n, Texas 7705	55	Flying "M" San Andres			
	eport location clearly and 9' FSL & 2051' 1		y state requirements.)	11. SEC., T., R., M., OR BI.K.			
190	9 F3L & 20JI J			AND SUEVEY OR ARKA			
At proposed prod. zor Same	e e			Sec. 31, T-9-S, R-33-E			
14 DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OF	FICE*	12. COUNTY OR PARISH 13. STATE			
	iles NE of capro			Lea New Mexico			
15. DISTANCE FROM PROP LOCATION TO NEARES	OSED*	16.	NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL			
PROPERTY OR LEASE	LINE, FT.	599'	320.48	80 acres			
(Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION [®] TO NEAREST WELL, DRILLING, COMPLETED, 12			PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS			
OR APPLIED FOR, ON TH	US LEASE, FT.	251'	4500'	ROTATY			
21. ELEVATIONS (Show wh				1-10-80			
<u>424</u> .	3 GR	CARTER OF CARTER	AND CEMENTING PROGI				
23.	l			QUANTITY OF CEMENT			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT		700 sx Light + 300 sx Class "C"			
12-1/4"	<u>8-5/8"</u> 5-1/2"	24# K55 15.5# K55	4500'	150 sx Light + 500 54 class 0			
7-7/8"	5-1/2	K55		DECENVEIII			
Replacement We	11 for Federal	31#2		JAN 3 1980			
1. The formati	on @ surface is	Quaternary A	lluvium Sand.	÷ .			
2. Estimated f	The formation @ surface is Quaternary Alluvium Sand. Estimated formation top: San Andres 3470'. U.S. GEOLOGICAL SURVEY						
3. Oil in San							
Casing Desi	gn: Casing as s	hown above.	blind ram Test	ted upon installation & period-			
5. BOP Program	ed: operated da	ily. (See at	tached schematic	;)			
6. Mud Program	1: 0-2200'fres	h; 2200'-4400	'-brine, 10.0; 4	4000'-4500', salt, gel, and starch			
7. Auxiliary:	Lower Kelly coc	k valve; chok	e manifold, dri	ll sting safety valve on floor.			
	testings as req	uired; loggin	g: GRDL, DLL.				
9. No known ha		•					
10. Anticipated	l start up 1-1-8	0.					
				ment producting rope and proposed new productive			
IN ABOVE SPACE DESCRIE	E PROPOSED PROGRAM : If	proposal is to deepen ally, give pertinent da	or plug back, give data on ta on subsurface locations	present productive zone and proposed new productive and measured and true vertical depths. Give blow-ut			
preventer program, if a	ny.						
24.	<u>~</u>		District	1-2-80			
BIGNED DA T	Moon	TITLE	Engineer				
(This appart for Fad	leral or State office use)						
(This space for rec	and the state to the construction of the state of the sta			APPROVED			
PERMIT NO.			APPBOVAL DATE	AS AMENDED			
				DATE AL A AMAN			
APPROVED BY CONDITIONS (F APPR)		TITLE		JAIN U4 1984			
				11 / Atall _			
				ACTINGDISTRICTENGINEER			
		* C					

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*See Instructions On Reverse Side

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NEW M. JCO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form Supercedes Level Effective level

1

		All distances must	be from the outer bour	daries of the Sect	ion.	Well 181.
ator			Lease	RAL 31		2
BELCO PE	TROLEUM CORP	ORATION	Bimge	County		
Cetter Sec	-tion 31	T-9-5	R-33-	<u>E</u>	LEA	
al Pretine Landio	n of Well:		2051 '	feet from th	WEST	11:04
	et from the SO	UTH line	and 2001	teet nom a	10 D+	dir ded Artester
ing Lovel flov.	Producing Form					
4243'		ad to the subject	t well by colored	pencil or hach	ure marks on the	plat below.
2. If more than interest and	one lease is o royalty). one lease of di munitization, u	dedicated to the fferent ownershi nitization, force-	well, outline each p is dedicated to pooling. etc?	h and identify t	the ownership the	reof (both as to working Ill owners been consoli-
1 6	"no," list the	owners and tract		h have actuall	1.1 . 1 (hu comm	ed. (Use reverse side of nunitization, unitization, approved by the Commis-
sion.						CERTIFICATION
					tained her best of my	ertify that the information con- ein is true and complete to the knowledge and belief.
					Date	
2	1 1 051' Federal 31 #2	5 99'			shown of notes of under m is true	r certify that the well location in this plat was plotted from fiel f actual surveys made by me a y supervision, and that the sam and correct to the best of m lge and belief.
	+		 		Registere	eyed NUZYY 2, 1980 d Protessional Eugine (g Surveyor
Be.	1co-Federal 31-1	• 1909'			Certiti d	y D. Boswell No. 6689

Belco Petroleum Corporation Federal 31 #2Y Sec. 31, T-9-S, R-33-E, Lea County, New Mexico

 3/13/80
 Set bottom hole press bomb in SN @ 4100'.

 3/14/80
 SI.

 3/15/80
 SI.

 3/16/80
 SI.

 3/17/80
 SI.

 3/18/80
 SI.

37

Belco Petroleum Corporation Federal 31 #2Y 1909' FSL, 2051' FWL, Sec. 31, T-9-S, R-33-E, Lea County, New Mexico

- 2/25/80 WOCR
- 2/26/80 WOCR
- 2/27/80 MI DA&S pulling unit.
- 2/28/80 Circ hole w/2% KCL. Report #1. MIRU DA&S pulling unit. Weld on bell nipple. Install BOP. PU & RIH w/4-3/4 " bit, csg scraper & DC's on 136 jts 2-7/8" tbg to 4298'. SDFN.
- 2/29/80 <u>TIH w/tbg. Report #2.</u> Circ hole w/2% KCL. POH. RUGO. Run CBL-CCL from 4310-2700'. Good bonding across San Andres. TIH w/2-7/8" tbg. Swab FL to 2000'. POH. RU & perf San Andres w/2 SPF from 4206-4228' (44 holes). SDFN.
- 3/1/80 Swbg. Report #3. TIH w/2-7/8" tbg & RTTS. Spot 200 gal 15% acid HCL across perfs. PU & set pkr @ 4100'. Acidize San Andres w/3000 gal CRA-35 in 2 equal stages, sep by 500 gal 2% KCL & 150 gal gelled KCL block w/50/50 TLC-80 & TBA-110. Broke down @ 1/4 BPM @ 2600#. AIR 1-3/4 BPM @ 2400#. Had 200# incr w/block on perfs. Max press 2600#. 5 min ISI 2300#. 15 min SI 2100#. 127 BLW to rec. SI 60 min. Swbd & flwd 5 hrs. Rec 40 BLW. 87 BLW to rec.
- 3/2/80 SD for Sunday. Report #4. RU & swbd 8 hrs. Rec 15 BLW & 3 BO. 72 BLW to rec. IFL 2500'. FFL 3500'. Swb rate last 4 hrs 1/2 BFPH w/trace of oil. SD for Sunday.
- 3/3/80 Swabbing. Report #4. SD for Sunday.
- 3/4/80 <u>Swbg. Report #6.</u> 13 hr SITP 50#. Bled down. RU & swbd 9 hrs, rec 6 BO & 12 BLW 60 BLW to rec. IFL 2800', FFL 3800'. Rate 1 BFPH, 40% oil last 7 hrs.

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- 3/5/80 <u>Swbg. Report #7.</u> IFL 3500'. FFL 3800'. RU & swbd 9 hrs. Rec 2 BO & 2 BLW. No gas, 58 BLW to rec.
- 3/6/80 Swbg. Report #8. RU & swbd 9 hrs, rec 4 BO & 1 BLW. 56 BLW to rec. SDFN.







BRILD PETROLEUM Corp Proposed Light EXHIBIT D LIGHT SIT Federal 31-2A MOGFOL-2001 PULL SOC 31 THIS, 10-305 LPA CUMPIN



--- Old Location





SUFFACE USE FLAN FROM FEIFILEDM CIFFLEATION FROMFAL 31 Well No. 19 1980' FSL, 1980' FWL, Sec. 31, T9S, R33E Lea County, New Mexico Lease: New Mexico 11333

The proposed wellsite is approximately 27 air miles northwest of Tatum, New Mexico, end can be reached by exiting from U.S. Highway 380 approximately 22 miles NW of Tatum, shown on Exhibit "A"-1. Travel then 15+ miles northeast to the location, as shown a Exhibit "A"-1, "A"-2, and Exhibit "B", and "C", via access roads.

EXISTING RCADS: Access and existing roads are shown on Exhibit "A"-1, "A"-2, "B" d "C". In addition Exhibit "B" and "C" illustrate proximity access. Exhibit "C" is he 1973 Lane Salt Lake USGS topographic quadrangle to a scale of 1.24,000; Exhibit "B", cale 1" = 1000' is a detailed well location plat.

PROPOSED ROAD: Access to the location pad will be from an existing oil field road the Coastal Fed. Gonzales 1-J well. This existing road is 1330' east of the proposed loc 31-2. Belco proposes to build a 12' wide caliche road, 1330' long from the Coastal -J well, center flagged for archeology.

Cut and Fill: Anticipating some compacted caliche to level the pad and possible minor fill to level the pad.

Culverts: None required.

Cattleguards, Gates, etc.: None expected.

EXISTING WELLS: This proposed oil well is located within the existing Flying "M" on Andres Pool, as shown on Exhibits "B", and "C".

. PRODUCTION, GATHERING, TREATING AND STORAGE FACILITIES:

Tank Battery: Tank battery site, as shown on Exhibit "D", in the event of a successful well.

. WATER SUPPLY: Belco plans to acquire water from commercial services available to be area.

SOURCE OF CONSTRUCTION MATERIALS: Caliche for construction of the new entry road of for surfacing the proposed wellsite pad will be obtained from commercial services no will utilize existing open supplies in the area; several pits are shown on Exhibit "C".

METHODS OF HANDLING WASTE DISPOSAL:

Drill cuttings will be disposed of in the drilling pits.

Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

Any produced water will be collected in tanks until hauled away. Any oil produced during tests will be stored in test tanks until sold.

Trash containers will be provided around the drilling rig during drilling and completion procedures. Trash, waste paper, garbage, and junk will be **bu**ried in a separate trash pit, as shown on Exhibit "D", and covered with a minimum of 27 inches of dirt.

ANCILLARY FACILITIES: No camps, airstrips, etc. will be constructed.

WELLSITE LAYOUT: Exhibit "D" shows the dimensions and the relative locations of we well pad, mud pits, reserve pit, and trash pit with respect to the well.

Mat Size: 160' x 215'; approximately 200' x 200', flagged out for archaeological survey.

Cut and Fill: The proposed drillsite pad will be leveled and filled as needed.

Surfaced: The base will be surface by six inches of compact caliche.



where the 100' x 80' pit lined with plastic

Cleared Buffer Area: No buffer area is to be cleared; however, area around well mat may be used for turn-around and/or storage.

0. PLANS FOR RESTORATION OF THE SURFACE: After completion of drilling and/or compleon operations, all equipment and other material not needed for operations will be reoved. Pits will be filled and location cleaned of all trash and junk as soon as pracical or buried with at least 24" of cover. Any unguarded pits containing fluids will e fenced until they are filled. After abandonment of the well, the well pad and all n-needed access roads will be ripped to promote revegetation.

1. OTHER INFORMATION:

Topography: Land surface consists of low relief, caliche topography.

Soil: Thin with caliche.

Vegetation: Thin grasses, some sage, yucca, and thistle.

Wildlife: None observed.

Ponds and Streams: No fresh water in vicinity of the location.

Residences and Other Structures: The McGuffin Ranch buildings are located approximately 1/2 mile to the west.

Water Wells: A few water wells are located in the general area.

Land Use: Miscellaneous grazing.

Surface Ownership: The surface of the W/2E/2 and the W/2 Sec. 31 are owned by Margaret McGuffin, Cabrock, N.M.; an agreement of damage and restoration is in progress and will be reached, between Belco and Ms McGuffin, documentation of which will be supplied upon request.

Well Sign: Sign identifying and locating well will be maintained at drillsite commencing with the spudding of the well.

12. OPERATOR'S REPRESENTATIVE: Field personnel who can be contacted concerning compliance of this Surface Use Plan consists of:

Gene Moore, 411 Petroleum Building, Midland, Texas 79701 - Phone (915) 683-6366.

3. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the ropesed drillsite and access route; that I am familiar with the conditions which presently xist; that the statements made in this plat are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by ELCO PETROLEUM CORPORATION and its contractors and sub-contractors in conformity with this Flan and the terms and conditions under which it is approved. A copy of this Plan will be posted at the wellsite during the drilling of the well for reference by all contractors and sub-contractors.

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Lee G. Nering Administrative Geologist BELCO PETROLEUM CORPORATION Houston. Texas

AGREEMENT

THIS AGREEMENT DATED this 6th day of August, 1979, by and between MARGARET MCGUFFIN, whose address is P. O. Box 334, Caprock, New Mexico and BELCO PETROLEUM CORPORATION (BELCO), the address of such corporation being 411 Petroleum Building, Midland, Texas 79701

<u>WITNESSETH</u>:

Margaret McGuffin owns the surface of and conducts ranching operations on certain lands in Lea County, New Mexico, and minerals therein are owned by third parties.

BELCO is interested in entering onto the said lands for the purpose of exploring, developing and producing hydrocarbons in the form of oil and gas therein contained.

Margaret McGuffin is willing to permit BELCO to have access to such land for the drilling of their proposed wells: the Federal #31-2, Federal #31-3 and proposed Belco well on farmout acreage from Warren American Oil Company in the SW/4 of Section 32 for a total consideration of Four Thousand Fifty and No/100 Dollars (\$4,050.00), subject to the terms and conditions hereinafter contained:

NOW, THEREFORE, the parties agree as follows:

1. Belco agrees, by executing this instrument to pay Margaret McGuffin the above mentioned consideration only in the following manner: \$1,350.00 at the time Belco commences drilling operations on that particular well, for each of the three proposed wells described above.

2. Margaret McGuffin, as surface lessee, by executing this instrument, hereby gives and grants BELCO PETROLEUM CORPORATION her permission insofar as she has the right to do so, to conduct all of their operations on her land or on lands which she has leased from the State of New Mexico or on lands that she owns from the United States of America, insofar as the lands cover $\frac{1}{2}\frac{1}{\sqrt{2}}W/2$ and the W/2 E/2 of Section 31 and SW/4 of Section 32, both sections in T9S, R33E, Lea County, New Mexico. This includes allowing BELCO PETROLEUM CORPORATION to make new roads as necessary to and from said lands described above, to make surface locations as necessary for exploring, developing and producing oil and or gas therein contained for the diffling of the three above proposed wells, including pipeline right-of-1. I. Meada ways maler at the start as point M. Me

3. BELCO shall conduct its operations in a prudent manner and in conformity with all current and future laws and regulations of the United States of America and the State of New Mexico. It agrees to protect, defend and hold harmless Margaret McGuffin from any claims or demands of whatsoever nature that may be ... asserted against Margaret McGuffin as a result of BELCO's operations. tion \rightarrow 4. In the event of a dry hole on these lands, BELCO agrees to restore

the surface of the land as near as possible to its original condition in keeping with government rules and regulations.

5. This agreement shall be binding upon BELCO, its successors and assigns, and may only be assigned with the prior written consent of Margaret McGuffin, which consent shall not be unreasonably withheld.

IN WITNESS WHEREOF, the parties have affixed their signatures hereto.

WITNE 4 WITHESS:

MARGARET MCGUFFIN BY: Margaret The Huffer

BELCO PETRO EUM CORPORATION BY:

Martin, Vice President

THE STATE OF NEW MEXICOL

. .

COUNTY OF CHAVES

The foregoing instrument was acknowledged before me this day of Regust ___, 1979, by MARGARET MCGUFFIN. 107A / 1. 1

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Notary Public in and for Chaves County, New Mexico

THE STATE OF TEXAS Ĭ COUNTY OF HARRIS Y

My Commission Expires:

12-8-

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BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared D. B. MARTIN, known to me to be the person and office whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said BELCO PETROLEUM CORPORATION, a corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

CIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 24 day of dug un. 1979.

My Commission Expires:

5-31-81

Kellecal W. Harris C Notary Public in and for Harris C County, Texas

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