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(A.104) 10 1 a	Ť -	DEPARTMEN	ED STATES	5	revei se	ынТ	30-015-22-564
							5. LEASE DESIGNATION AND SEBIAL NO.
. <u> </u>			GICAL SURV	<u>Е</u> Ү			NM0299468
APP	LICATION	FOR PERMIT	اليرO DRILL []	DEEDEN		BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF			Γ	(EO			
		L X	DEEPEN		PLUG BA	ACK 🗌	7. UNIT AGREEMENT NAME
b. TYPE OI		, mm		APR	201910 MOLT		
WELL	N WE			ZONE	IY TONE		8. FARM OF LEASE NAME
				الناظ ال	UNICAL SURVEY	•	ARCO – FEDERAL
	astland Of	il Company 🛩		ARTES	NEW MEXICO		9. WELL NO.
•••				-			4
<u>704 We</u>	<u>stern Uni</u>	ited Life Build	ling, Midla	nd. Te		ED	10. FIELD AND POOL, OR WILDCAT
4. LOCATIO. At surfs	ace	port location clearly and	In accordance with	th any Stat	te requirements.*)		Power Grayburg-San Andres
66	SO' ENL	330 FWL			BEAV O O 1	070 ¹	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At prop	50' FNL, 3 osed prod. zone				MAY 29 1	570 ji	Section 5
14						·····	
		ND DIRECTION FROM NEAD		T OFFICE*	O. C. C		12. COUNTY OR PARISH 13. STATE
9	miles SE	Loco Hills, Ne			ARTEBIA, OF		Eddy New Mexico
LOCATI	ON TO MEARENT	330' from	lease line	16. NO. C	OF ACRES IN LEASE	17. NO. C TO T	DF ACRES ASSIGNED His Well
		unit line, if any	unit line		120		40
TO NEA	CE FROM PROPO	ILLING, COMPLETED.			OSED DEPTH	20. ROTA	RY OR CABLE TOOLS
OR APPL	JED FOR, ON THIS	LEASE, FT. 4	801	3	,700	Rc	otary
	-	her DF, RT, GR, etc.)				. · · ·	22. APPROX. DATE WORK WILL START*
3654'	GR						May 20, 1978
23.		F	ROPOSED CASH	NG AND C	EMENTING PROG	RAM	
SIZE	OF HOLE	BIZE OF CASING	WEIGHT PER F	00T	SETTING DEPTH		QUANTITY OF CEMENT
11	L * *	8 5/8"	24#		700'		Class C 2% CaCl
7	7 7/8''	4 1/2"	9.5#		3700'	_200_sx	50-50 pozmix
						500 sx	Lite

Arco - Federal #4 is to be drilled on the same 40 acre proration unit as Arco-Federal #1. Upon completion of Well #4 as a producing well, #1 will be plugged and abandoned. Drilling will be done with a small rotary rig to a depth of approximately 3700 feet in Grayburg sands productive in the Power Grayburg San Andres Pool. Additional geological tops are: Base of salt - 1610', Queen 2770', and Grayburg 3250'.

An 8" series 900 AP13M double BOP will be installed on the surface casing and tested before drilling out cement. No abnormal pressure or temperature is anticipated. Brine water will be used for mud to 3200' at which point saltwater gell and starch will be added. No DST's or cores are planned. At total depth, a GR-Neutron log will be run from 400' - TD. Anticipated starting date is May 20, 1978 with 10 days for completion.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and 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.

BIGNED Cherry Sheel	JUTLE Superintendent	DATE4-14-78
(This space for Federal or State office use)		
PERMIT NO	APPROVAL DATE	MAY 2 6 1978
APPROVED BY Jac J. Jala	TITLE ACTING DISTRICT ENG	INEERMAY 2 6 1978
CONDITIONS OF APPROVAL, IF ANY : THIS APPROVAL IS RESCINDED IF OPERATIONS		왜 왜 불려 올해 물을 원만들라.
ARE NOT COMMENCED WITHIN S MORTHS.		
EXPIRES AUG 2 6 1978 *See 1	nstructions On Reverse Side	

HEALO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator

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1340 1890

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44 40

Eastland Oil Co.

		1	Well No.		
mship	Arco Fed		4		
18 South	Bange 31 East	County	dy		
rth line and	330	feet from the West			
n	Pool	leet nom the	line Dedicated Acreage:		
	Power Graybu	rg San Andres	40 39.97 Acres		
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	of consolidation	U.3	s. General Survey RTESIA, NEW MEXICO		
s and tract des	criptions which hav	e actually been cons	olidated. (Use reverse side of		
	a unit, eliminating	l her taine	CERTIFICATION CERTIFICATION CERTIFICATION aby certify that the information con- d herein is true and complete to the of my knowledge and belief.		
		Position S Compan The E Date	uperintendent		

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Unit Letter	Section	Township		· · · · · · · · · · · · · · · · · · ·		4
D	5	Township 18 South	Ronge 01 E.	County		
Actual Footage Loc			31 Ec	351	Eddy	
660	feet from the	North Ine	and 330	4	e West	
Ground Level Elev.	Producing For		Pool	feet from th		line Dedicated Acreage:
3654.0	Grayburg		Power Gra	<u>yburg San Ar</u>		493897
1. Outline th	e acreage dedica	ted to the subjec	t well by colored	pencil or hach	re marks on the	nlet below
2. If more th interest an	an one lease is id royalty).	dedicated to the	well, outline each	n and identify th		CEIVED second (both as to working
dated by c					e interests of i U. J. <u>Hi</u> ck ARTESI	2 2 U 1978 all owners been consoli- LUGICAL SURVEY A, NEW MEXICO
		iswer is "yes," typ	e ot consolidatio	n		
lf answer i	s "no," list the o	owners and tract d	escriptions which	have actually	been consolidat	ed. (Use reverse side of
	neecooury./				_	
No allowab	le will be assigne	d to the well until	all interests have	e been consolid	ated (by comm	unitization, unitization,
iacea-poor	ing, or otherwise)	or until a non-stan	dard unit, elimina	ting such intere	sts, has been a	pproved by the Commis-
sion.						,
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			ł		Position	
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	• J		, ,		April	14, 1978
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					CHILLICOLO NO.	2 W West
540 48A 583					A Strange No.	John W, West 679

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Form (Supersedes C-12)

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Nonald J. Eldson



Arco- Federal #4



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Manuel BOP for 85/8" casing

RECEIVED

THE EASTLAND OIL COMPANY ARCO - FEDERAL WELL NO. 4 660' FNL and 330' FWL Sec. 5, T18S, R31E Eddy County, New Mexico

APR 2 0 1978 U.S. Geulugical Survey Artesia, New Mexico

SURFACE USE AND OPERATIONS PLAN

- 1. Existing roads: U. S. G. S. topographic map marked as Exhibit A shows existing roads with exit from State highway 31. A lease road extends from the highway and passes by the location.
- 2. <u>Planned access roads</u>: No additional access roads will be needed. No fences will be crossed and no cattle guards will be used.
- 3. Location of existing wells: All wells within a one-mile radius of the proposed location are marked on Exhibit A.
- 4. Location of tank batteries, production facilities and service lines: Production from this well will go into the existing tank battery shown on well plot and marked Exhibit B. A flow line will be laid on the surface from the well to the battery, a distance of approximately 1000 feet. Produced formation water will go to the disposal well from the treater by an existing fiber glass line.
- 5. Location and type of water supply: Water needed for drilling will be trucked from Loco Hills. No water supply will be developed on the lease.
- 6. Source of construction materials: Cacliche for the location pad will be hauled from an existing pit in Section 1, 1 1/2 miles from the location. Surface material moved to level the location will be retained to refill pits.
- 7. <u>Method for handling waste disposal</u>: Waste material including cuttings, garbage, and drilling fluids will be contained in pits at the location. Incendiary material will be burned on location. After drying out, pits will be covered. Produced oil will be contained in test tanks and moved to tank battery upon completion.
- 8. Ancillary facilities: No camps or airstrips will be required.
- 9. Well site layout: Exhibit C.
- 10. Plans for restoration of the surface: The surface is loose sand with limited vegetation. After completion or P&A of the well, the surface will be leveled as soon as the pits are dry (approximately 60 days). All waste will be covered.

THE EASTLAND OIL COMPANY ARCO - FEDERAL WELL NO. 4 SURFACE USE AND OPERATIONS PLAN (cont'd - Page Two)

OTHER INFORMATION:

- 11. The surface ownership is Federal and the only surface use is live stock grazing. There is no water source in the area and the general terrain is rolling sand dunes.
- 12. Lessee's or operator's representative:

George D. Neal 704 Western United Life Building Midland, Texas 79701

Telephone: A/C 915 683-6293

13. Certification -

11

I hereby 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 The Eastland Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

April 14, 1978

Thead George D. Neal

Superintendent



WELL LOCATION AND ACREAGE DEDICATION	CREAGE DEDICATION PLAT
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Exhibit "B" distances must be from the outer bounderies of the Sect

		All distances must b	e from the ou	ter bounderles of	the section.		······································	
Operator Eastic	and Oil Co.		Lease	Arco Fed.		Well No. 4		
tinit Letter	Section	Township	Ran		County	E.J.J.	•	
D	5	18 South		B1 East	<u> </u>	Eddy	·	
Actual Footage Loc	ation of Well:	Nlandh	.d .330	`		West		
660	feet from the	North line or	Pool	lee	t from the		line ated Acreage:	
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		ate 31		-{		Name	George D. Neal	
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Effective 1-1-65

