	0.001.0	-	DIP M. U. V		T IN TR ¹ CAT	re• Form approved.		
л) Л		Um DEPARTMEN	TED STATE	S (Othe	r instruc 3 on reverse side,	Budget Bureau No. 42-R1425		
Q						5. LEASE DESIGNATION AND SEBIAL NO.		
_			DGICAL SURV	·····		6. IF INDIAN, ALLOTTEE OF TELSE NAME		
	<u>APPLICATIO</u>	N FOR PERMIT	<u>to drill,</u>	deepen, or pl	<u>.UG BACK</u>	G. IF INDIAN, ALLOITEL OF THER, NAME		
			DEEPEN	D PLU	G BACK 🗌	7. UNIT AGREEMENT NAME		
1					NUMPLIDE T	Citgo Empire Abo Unit		
2	WELL	WELL OTHER U				Tract No. 1		
	Citias Sarri	ce Oil Company				9. WELL NO.		
3.	ADDRESS OF OPERATOR	Co OII COmpany	V	SEP 11	1974			
	Box 1919 - M	lidland, Texas	79701			10. FIELD AND POOL, OR WILDCAT		
4.	. LUCATION OF WELL (Report location clearly an	d in accordance wi			Empire Abo		
	1880' FWL & At proposed prod. zo	990' FSL of Sec	• 35-T17S-H	27E, Eddy Co.,	New Mexic	11. SEC., T., E., M., OE BLK. AND SURVEY OF AREA		
	Same as abov	e				Sec. 35-T17S-R27E		
14	4. DISTANCE IN MILES	AND DIRECTION FROM NE.	AREST TOWN OR POS	T OFFICE®		12. COUNTY OR PARISH 13. STATE		
		iles SE <u>of Arte</u>	ala, New Ma			Eddy New Mexico		
1:	5. DISTANCE FROM PHOI LOCATION TO NEARES PPOPERTY OR LEASE (Also to nearest dr	ST	650' NW	16. NO. OF ACRES IN 1 360). OF ACRES ASSIGNED THIS WELL LO		
18	8. DISTANCE FROM PRO	POSED LOCATION*		19. PROPOSED DEPTH	20. RO	TARY OR CABLE TOOLS		
	OR APPLIED FOR, ON TH	HIS LEASE, FT.	668• SE	56001	R	tary		
21		hether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*		
	3626 GR.	•				September 1, 1974		
23	3.		PROPOSED CASI	NG AND CEMENTING	PROGRAM			
_	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER H	OOT SETTING DE	ртн	QUANTITY OF CEMENT		
	11 1/4"	8 5/8"	24#	9851	100	O Sacks (Circulate)		
	7 7/8"	<u>4 1/2"</u>	10.5#	56001	50	0 Sacks		
	•							

It is proposed to drill to a T.D. of 5600' and sinject gas into the Abo Zone.

The blowout prevention program is as follows:

- 1. One set of blind rams.
- 2. One set of drill pipe rams.

Case 5327 9-18-74

RECEIVED AUG 1 3 1974

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

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24	SIGNED	finden	TITLE R	egion Operation	Manager	DATE AUgust	8, 1974
=	(This space for Federal	Tr State office use)	Qu	hipide to	Angol	C. appro	erap
AD	APPROVED BY 1074	+	TITLE	of loca	hon a	hange	
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A	H. L. BEEKWINNY H. L. BEEKWINNY OTING DISTRICT FUCINEE THIS APPI ARE NOT	ROVAL IS PETSINDED IF	See Instructions	On Reverse Side			
	EXPIRES				· · · ·		

NEW_MEXICO OIL CONSERVATION COMMISSION WELL CATION AND ACREAGE DEDICATION AT

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	Oil Company	Y		Citgo	Empire A	bo Unit	Tract 1	11
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darrd by cor	munifization,							
5.5	No If a	nswer is "y	es," type o	f_consolida	tion			······································
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CITIES SERVICE OIL COMPANY



Box 1919 Midland, Texas 79701 Telephone: 915 684-7131

RECEIVED

AUG 1 3 1974

August 12, 1974

United States Department of the Interior Geological Survey Artesia, New Mexico 88210

> Re: Application for Permit to Drill Citgo Empire Abo Unit Tract 1, Well 11. Eddy County, New Mexico.

Gentlemen:

Cities Service Oil Company respectfully requests permission to drill Well No. 11 on Tract No. 1 on the Citgo Empire Abo Unit, located 1880' FWL and 990' FSL of Section 35-17S-27E, Eddy County, New Mexico.

It is proposed to inject gas into the Abo formation through the subject well and produce the unit under New Mexico Oil Conservation Commission Order No. R-4808 rules and regulations with credit for injected gas applied to the reservoir voidage. The source of injection gas will be produced gas from the Abo formation.

In support of this application, the following data is submitted:

- 1. Form 9-331C, Application for Permit to Drill.
- 2. Form C-102, Well Location and Acreage Dedication Plat.
- 3. Letter to New Mexico Oil Conservation Commission requesting administrative approval of location change.
- 4. Development plan which includes the following:
 - County road map showing location of well in relation to S. GEOLOGICAL SURVE U.S. GEOLOGICAL SURVEY а.
 - Plat of location layout showing approximate dimensions and b. position of pipe racks, mud pits and cellar.
 - c. Diagram of blowout preventer stack.
 - d. Diagram of choke manifold.
 - Schematic diagram of hole size, casing program and completion tubing. e.
 - f. Summary of proposed mud program.

The well is located on the North side of the black topped road due north of Cities Service OII Company's Russell C- Magruder A tank battery.

The nearest inhabited residence is the home of Mrs. Evans 3/8 mile East of the proposed location.

Projected total depth is 5600' with completion to be in the Abo gas cap. The well will be equipped and used for gas injection purposes.

The reserve pit will be lined when it is built. Upon completion of the well, the pits will be backfilled, levelled, debris removed and surface equipment fenced.

The proposed casing program consists of:

8-5/8" 24# set at 985' with cement circulated

4-1/2" 10.5# set at 5600' with sufficient cement to fill annular space to 4400'

The blowout preventer program will consist of 3000# blind rams and pipe rams with a 3000# choke manifold.

Please contact me if further information is needed to properly evaluate this request.

Yours very truly,

...00

E. Y. Wilder Region Operations Manager Southwest Region E & P Division

EYW:bl

Attachment

RECEIVED AUG 1 3 1974 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

CITIES SERVICE OIL COMPANY



Box 1919 Midland, Texas 79703 Telephone: 915 634-7131

August 7, 1974

New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210 (Gentlemen:

Administrative approval is requested for the drilling of Cities Service Oil Company's Citgo Empire Abo Unit #111. The location for the drilling of this well has been changed to 990' from the South line and 1880' from the West line of Section 35, T-175,R-27E, Eddy County, New Mexico.

The drilling site authorized for this well by Order No. R-4808 was 990 FSL, 2635 FEL of the same section. This location cannot be used due to surface conditions such as pipe yard, corral and outbuildings.

The requested location is 745' West of the approved location in the same 40 acre unit of Section 35 and is free of roads and other surface obstructions.

Rule 10 of New Mexico Oil Conservation Commission Order No. R-4808 stipulates that injection wells shall be no closer than 1650 feet to a tract not committed to the unit. The proposed location will be 1140 feet from the Northeast corner of Tract 88 of the ARCO Empire Abo Unit.

The proposed location of 990' FSL and 1880' FWL of Section 35-17S-27E, Eddy County, New Mexico is requested for the following reasons:

- 1. The previously authorized location cannot be used due to surface conditions.
- 2. The objective of this well is to inject gas into the gas cap and moving the location East or North any appreciable distance would make the gas cap inaccessible.

We are attaching a letter, dated August 7, 1974, that we have furnished offset operators advising them of our application.

Thank you for your consideration of our request.

Yours very truly,

E. Y. Wilfler Region Operation Manager

EYW:EL:bl

Attachment



CITIES SERVICE OIL COMPANY



Box 1919 Midland, Texas 79701 Telephone: 915 684-7131

August 7, 1974

Atlantic Richfield Company Box 1610 Midland, Texas 79701

Gentlemen:

Cities Service Oil Company is making application with the New Mexico Oil Conservation Commission to drill its Citgo Empire Abo Unit #111, a gas injection well, located 990' from the South line and 1880' from the West line of Section 35, T-17S,R27E, Eddy County, New Mexico. We are attaching a copy of this application for your information.

In accordance with New Mexico Oil Conservation Commission regulations we are attaching a copy of this application and request that you, as an offset operator, waive objection to the drilling of this well.

Thank you for your consideration of this request.

Yours very truly,

CITIES SERVICE OIL COMPANY

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E. Y. Wilder Region Operation Manager

EYW:RHS:bl

Attachment

cc: New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210







CHOKE & MANIFOLD SCHEMATIC



ROJUSTRELE CHOKE

3000 # W.P. 2" LAMERON TYPE F GATE VALUE OR EDWIN

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A Druit 2400 V	CO SERVICES FIEL	PANY CITIES SER .d nty_EDDY		G.I.E.ABO UNIT TION <u>SEC.35,175,2</u> EXICO
	PI	ROPOSED MUD PR	OGRAM	
PROPOSED	DEPTH: 5,600'			
CASING PR	OGRAM:			
		1,000' of 8	-5/8" Surface	
		5,600' of 4	-1/2" Production	
	PROPOSED M	JD PROGRAM BY	CASING INTERVAL	
DEPTH (FEET)	MUD WEIGHT (PPG)	V ISCOS ITY (SEC)	FLUID LOSS (ML)	MUD TYPE
0- 1,000'	8.8 - 9.0	31 - 32	No Control	IMCO-Gel/ Lime Slurry
	viscosity of should be suf	31-32 sec. T	slurry having a his type fluid rface casing poin at 1,000'.	t.
1,000- 5,400'	8.4	28	No Control	Fresh Water
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