STATE OF NEW MEX.CO ENERGY AND MINERALS DEPARTMENT	OIL CONSERVAT		1	30-015-25804 offin C-101 tevised 10-1-78
DISTRIBUTION SANTA FE	SANTA FE, NEW N	SEP 0 3 '87		SA. Indicate Type of Lease STATE X PEE
FILE VV U.S.G.S. V 5 LAND OFFICE V OPERATOR		O. C. D. ARTESIA, OFFICI		5. State Oil & Gas Lease No. NM-4681
APPLICATION FOR PE	RMIT TO DRILL, DEEPEN	, OR PLUG BACK		7. Unit Agreement Name
b. Type of Well	DEEPEN			8. Farm or Lease Name State "2"
OIL CAS WELL OTH	CR	SINGLE X MULTIN		State 2 9. Well No.
2. Name of Operator ARCO 011 & Gas Company				2
3. Address of Operator Box 1610, Midland, TX 79	702		ung	10. Field and Pool, or Wildcat Shugart-Yts,7Rvrs,Q,GB
4. Location of Well UNIT LETTER C.		PEET FROM THE North	LINE	
2250 FEET FROM THE West	LINE OF SEC.	195 30E	NMPM A	
				12. County Eddy
		19. Froposed Depth 19A 3900	Queen	20. Rotary Rotary
1. Elevations (show whether DF, KT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor		22. Approx. Date Work will start
3523.7 GR	GCA #8	Not Selected		9-15-87
23.	PROPOSED CASING A	ND CEMENT PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEICHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-578	24	600	450	Surf
7-7/8	5-1/2	15.5	3900	875	Surf
				· · · · ·	

See attached:

Drlg Prognosis
BOP Program

POST ID 1 9-11-87 APIQNEWLOC.

APPROVAL VALID FOR 180	DAYS
PERMIT EXPIRES _3 9 88	
UNLESS DRILLING UNDER	WAY

TIVE ZONE, CIVE BLOWOUT PREVENTER PROGRAM, IF ANY. I hereby certify that the information above is true and		······································
signed Ken W Gosnell	Tule_Engr. Tech. 915/688-5672	Date8-31-87
(This space for State Use)		
APPROVED BY Daull Moore	gralaarst	DATE 9/9/87
CONDITIONS OF APPROVAL, IF ANY:		

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

Ail distances must be f	roma the	outer boundaries	of	the	Section
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Friday			Lease		Well No. 2
ARCO -	01L & GAS CO. Isection	Triwnship	Bange SIA	TE 2	
C		19 SOUTH	30 EAST	E	DDY
Artist Footnae Lon 4()()		NORTH line on		et from the WEST	line
Ground Level Elev.	-	rn. it is n	Poel		Dedicated Acreage:
3523.7	Que		Shugart		40 Acres
2. If more th interest a 3. If more th	han one lease is nd royalty). an one lease of	; dedicated to the we	s dedicated to the well	entify the ownership	thereof (both as to working of all owners been consoli-
[] Yes [f answer this form No allowa	is "no," list the if necessary.)	owners and tract dem ned to the well until a	of consolidation scriptions which have a all interests have been	actually been consolic consolidated (by con	dated. (Use reverse side of mmunitization, unitization, n approved by the Commis-
		400			CERTIFICATION
	-2250'+			toined h best of Ken Q Name	
				Fosition	W. Gosnell . tech.
	i.			ARC	00:14 Gas Co.
	i i			Date	31-87
			AND SURIA	shown o notes o under m is true	y certify that the well location on this plat was plotted from field if actual surveys made by me or iy supervision, and that the same and correct to the best of my type and belief.
260			ATO NU. A GTO ATO ATO ATO ATO ATO ATO ATO ATO ATO A	Registere	ST 25,1987 d Frofessional Engineer and Surveyor



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ARCO 011 & Gas 3000psi WP Choke Manifold

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0	1			Date
State "2" Wel	1 No. 2			3-9-87
trict or province Central Dietr	ict/North Area			
ation				
660' FNL and	1980' FWL, Section	on 2, T19S-R30E		
Eddy Co., New	Mexico			
Queen @ 2960'				
i vertical depth		Total r	neasured depth	
3850'				350'
±3525'GL (est	timeted)			
nated formation tops				
Yates Seven Rivers	2200'	San Andres	3650'	
Queen	2960'			
Grayburg	3320'			
		Weil design		
luctor				
None				
ice casing				
ice casing	/8", 24#, K-55; % CaCl ₂ (0-600')	STC csg in 12-1 @ 100% excess.	/4" hole cmtd w/450	sx Class 'H" cmt
ice casing 0-600' 8-5 + 2	/8", 24#, K-55 % CaCl ₂ (0-600 [*])	STC csg in 12-1 @ 100% excess.	/4" hole cmtd w/450	sx Class 'H" cmt
ice casing	/8", 24#, K-55 % CaCl ₂ (0-600 [*])	STC csg in 12-1 @ 100% excess.	/4" hole cmtd w/450	sx Class 'H" cmt
Clive casings and liners	/8", 24#, K-55 % CaCl ₂ (0-600 [†])	STC csg in 12-1 @ 100% excess.	/4" hole cmtd w/450	sx Class 'H" cmt
ice casing 0-600' 8-5 + 2	/8", 24#, K-55 % CaCl ₂ (0-600 [†])	STC csg in 12-1 @ 100% excess.	/4" hole cmtd w/450	sx Class 'H" cmt
Clive casing 0-600' 8-5 + 2	/8", 24#, K-55 % CaCl ₂ (0-600 [†])	STC csg in 12-1 @ 100% excess.	/4" hole cmtd w/450	sx Class 'H" cmt
Clive casing 0-600' 8-5 + 2 Clive casings and liners None				
Clive casing 0-600' 8-5 + 2 Clive casings and liners None			/4" hole cmtd w/450 7/8" hole cmt'd w/47 (0-3850') 100% exces	
Clive casing 0-600' 8-5 + 2 Clive casings and liners None				
Clive casing 0-600' 8-5 + 2 clive casings and liners None None 0-3850' 5-1/ foll				
None None None None None None None None None None				
None None 0-600' 8-5 + 2 Clive casings and liners None 0-3850' 5-1/ foll Inclion liner None gread 8-5/8" x 11"	/2", 15.5#, K-55 lowed by 400 sx (LTC csg in 7-7 Cl "H" + add. (
None None 0-600' 8-5 + 2 Clive casings and liners None 0-3850' 5-1/ foll Inclion liner None gread 8-5/8" x 11"	/2", 15.5#, K-55 lowed by 400 sx 0 3000 psi WP SOW i x 7-1/16″ psi t	, LTC csg in 7-7 Cl "H" + add. (csghd tubinghead		
Ince casing 0-600' 8-5 0-600' 8-5 clive casings and liners None Inction casing 0-3850' 5-1/ foll inction timer None gread 8-5/8" x 11" 11", 3000 psf crogram	/2", 15.5#, K-55 lowed by 400 sx (, LTC csg in 7-7 Cl "H" + add. (csghd tubinghead		
0-600' 8-5 + 2 clive casings and liners None None 0-3850' 5-1/ foll ction timer None gread 8-5/8" x 11" 11", 3000 ps f crogram 0-600'	/2", 15.5#, K-55 lowed by 400 sx (3000 psi WP SOW i x 7-1/16", psi t Jocops FW Spud Mud	, LTC csg in 7-7 Cl "H" + add. (csghd tubinghead s;		
Ice casing 0-600' 8-5 0-600' 8-5 clive casings and liners None Inction casing 0-3850' 5-1/foll Inction timer None gread 8-5/8" x 11" 11", 3000 psf Trogram 0-600' 600-3850'	/2", 15.5#, K-55 lowed by 400 sx (3000 psi WP SOW i x 7-1/16", psi t Joto p3	, LTC csg in 7-7 Cl "H" + add. (csghd tubinghead s; R. 29 vis		
Inclusion casing 0-600' 8-5 Clive casings and liners None None 0-3850' 5-1/ Inclion casing 0-3850' 5-1/ Inclion liner None gnead 8-5/8" x 11" Strogram 0-600' 00-3850' Reduce WL to	/2", 15.5#, K-55 lowed by 400 sx (3000 psi WP SOW i x 7-1/16", psi t 3000 psi FW Spud Mud LSW, MW 10.0 ppg	, LTC csg in 7-7 Cl "H" + add. (csghd tubinghead s; R. 29 vis	7/8" hole cmt'd w/47 (0-3850') 100% exces	
Increasing 0-600' 8-5 Clive casings and liners + 2' Clive casings and liners None Inclion casing 0-3850' 5-1/ Clive casing 0-3850' 5-1/ Inclion casing 0-3850' 5-1/ Inclion liner None 1000 Inclion liner None 11", 3000 ps f Inclion 3850' Reduce WL to 1000	/2", 15.5#, K-55 lowed by 400 sx (3000 psi WP SOW i x 7-1/16", psi t 3000 psi FW Spud Mud LSW, MW 10.0 ppg 10 cc for logs.	, LTC csg in 7-7 Cl "H" + add. (csghd tubinghead s; R. 29 vis	7/8" hole cmt'd w/47 (0-3850') 100% exces	

	None
orial stem tests	
	None
Samples	
	2200' - TD 10' Samples
fluid samples	
	Circulated mud Sample at TD prior to OH logs.
Aud logging	None
valuation	
	One (1) zone evaluation: Perforate Queen w/ \pm 40 shots; acidize w/4000 gals 15% NEFE; frac w/50,000 gal gelled wtr + 60,000# sand. (Through tbg frac at
	8 BPM)
	Upper limit assumes testing of two (2) Queen formation intervals.
	This would involve an additional 40 holes and a second 4000 gal acid job.

Single zone pumping oil well w/2-7/8", 6.5#, J-55, 8rd EUE tubing

CU will include a TAC, SN, perf sub, and mud anchor.

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