Form 3160-3

SUBMIT IN TRIPLICATE*
(Other instructions on

FORM APPROVED OMB NO. 1004-0136

(July 1992)	UNITEDS			se side)	Expires: February	28, 1995		
	DEPARTMENT OF				5. LEASE DESIGNATION AND	SERIAL NO.		
n de en di Granden	BUREAU OF LAND				NM-2379			
APPLIC	CATION FOR PERM	MIT TO DRILL O	R DEEPEN		6. IF INDIAN, ALLOTTEE OR	TRIBE NAME		
	RILL	DEEPEN 🛛			7. UNIT AGREEMENT NAME			
D. TYPE OF WELL OIL WELL	GAS OTHER	S Z	INGLE ML ONE ZO	ILTIPLE	8. FARM OR LEASE NAME, V Covington A Fede			
2. NAME OF OPERATOR Pogo Producing C	Company				9. API WELL NO.			
3. ADDRESS AND TELEPHON					30-025-2494	47		
	Midland, TX 79702-7340	(915)685-8100			10. FIELD AND POOL, OR W	_		
4. LOCATION OF WELL (Rep	ort location clearly and in accordance & 1980' FWL				Red Tank Mon 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
	& 660' FWL				Section 25, T22S	, R32E		
14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TOV	VN OR POST OFFICE*			12. COUNTY OR PARISH Lea County	NM		
15. DISTANCE FROM PROPE		16. NO.	OF ACRES IN LEASE		ACRES ASSIGNED S WELL			
LOCATION TO NEAREST PROPERTY OR LEASE LI (Also to nearest drig. unit lin	INE, FT 6		320					
18. DISTANGE FROM PROPORTO NEAREST WELL, DRI	OSED LOCATION* LLING, COMPLETED,	NA	15,662 MD	20. ROTAF	Rotary 22. APPROX. DATE WORK WILL START			
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)				22. APPROX. DATE WORK	(WILL START*		
23.		PROPOSED CASING AN	D CEMENTING PROGRA	AM				
SIZE OF HOLE	OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH					ar .		
6-1/8"	5" P110	18#	15,662		400 sks Cl "H"			
MD & a BHL of 6600 A casing inspection by cement squeezi in the 7" casing at then perf, stimulate		fit indicates the 7" was 8859'-83' & 9976'-83' lill be drilled to the above. OPER. OGRID NO. PROPERTY NO. POOL CODE S RFF. DATE Z API NO. 30-0	l loss is minimal, directly, drill out necessary to BHL, after which a light of the second of the light of th	ectional oper cement plu a 5" liner will	rations will begin. Poggs, set a whip stock & be cemented in place.	o will do this cut a window . Pogo will		
24. SIGNED	mals	TITLE D	ivision Operations E	nginner	DATE 04/17/0)1		
(This space for Feder	al or State office use)							
PERMIT NO.			APPROVAL DATE					
Application approval does	s not warrant or certify that the applica OVAL, IF ANY:	ant holds legal or equitable title to	those rights in the subject lea	ase which would e	ntitle the applicant to conduct op-	erations thereon.		
APPROVED BY	ORIG. SGD.) ALEXIS C	S. SWOBODA	PETROLEUM E	NGINEE	R DATE APR 1	9 2001		

APPROVED BY

China Williamson

District I PO Box 1980, Hobbs, NM 88241-1980 State of New Mexico

Revised October 18, 1994 Energy, Minerals & Natural Resources Department

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

₅Well Number

Form C-102

811 South First, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Azlec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505

API Number

30-025-24947

4Property Code

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

₅Property Name

Red Tank Morrow

₂Pool Code

AMENDED REPORT

3Pool Name

Eas

9316		Covington "A" Federal										
7OGRID	No.		₃Elevation									
017891										4' GR		
	Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est Line	County		
С	25	25 22 32 660 North 1980 West								Lea		
Bottom Hole Location If Different From Surface										_		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est Line	County		
D	25	22	32		660	North	660	West		Lea		
₁₂Dedicated A 320			Consolidat		15Order No.							
NO ALLOV	VABLE V	VILL BE AS	SIGNEI	TO THIS	S COMPLETI	ON UNTIL ALL I EEN APPROVEI	NTERESTS HA D BY THE DIVI	VE BEI SION	EN CON	NSOLIDATED		
16	-	OI AT	1011-01	1			"OPERA	TOR	CERT	IFICATION		
8	I hereby certify that the in								omation c			
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		Cothy lomber										
 				I			Signature	•				
				1			<u>Cathy Tomberlin</u> Printed Name					
				1	j		Operation Tech					
				Ī			Title April 1					
				Ī			Date					
				-			QUDV/C	VOD	CEDI	TIFICATION		
				•			I hereby certify	that the we	ell location	shown on this plat		
				‡			was plotted from	m field note	es of actual	I surveys made by me e same is true and		
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POGO PRODUCING COMPANY Covington "A" Federal #1 660' FNL & 1980' FWL, Sec. 25 T22S, R32E, Lea County, NM

Drill 6-1/8" hole to 15,662' (MD). Run and set a 5" 18# P-110 LT&C liner from 15,662' (MD) to 10,238' (TVD) (200' overlap). Cement liner with 400 sxs of premium cement. Cement top to be above 10,238' TVD.

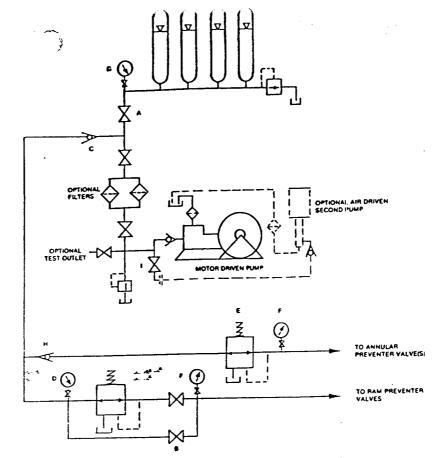


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

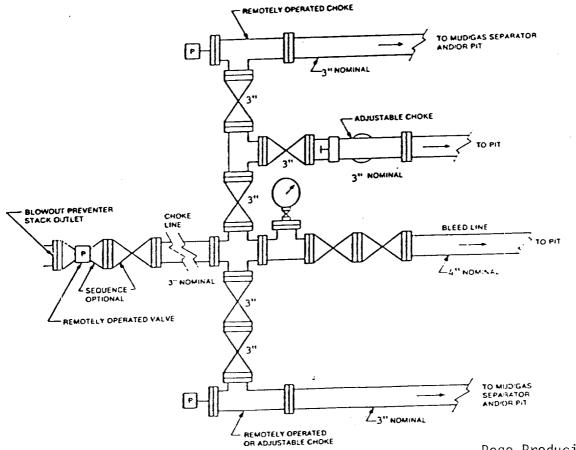


FIGURE K4-3. Typical choke manifold assembly for 10M and 15M rated working pressure service — surface installation.

Pogo Producing Company Covington "A" Federal #1 660' FNL & 1980' FWL, Sec. 25 T22S, R32E, Lea County, NM

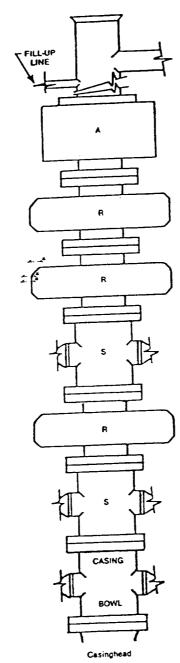


FIGURE K1-3. Recommended IADC Class 10 BOP stack arrangement SRSRRA, 10,000 psi WP. Lower drilling spool is optional with outlets on lower ram. Annular preventers 10,000 psi.

Pogo Producing Company Covington "A" Federal #1 660' FNL & 1980' FWL, Sec. 25 T22S, R32E, Lea County, NM



DIRECTIONAL DRILLING TIME ESTIMATE

Pogo Producing Company

Covington "A" Federal #1 Lea County, New Mexico

INTEQ

DATE: 4/12/01

Steerable 10438' KOP

STD-BY	DAYS	 o.		c)		C	<u>.</u>		6))		6	<u>)</u>			_D-87	DAYS	0.0
TAL ST		26.0		a o			240.6))			7,0.0	-		0.00			JAL ST		865.4
10	외						1			- 1	6.0		- 1).).		\dashv	<u> </u>	S HO	32.0
RMNG/CONN/ TOTAL	SURV. HRS	2.0		4	o.		Ç	12.0			9 0						RMNG/CONN/ TOTAL STD-BY	SURV HOURS HOURS	
CIRC.	HOURS	2.0		C	V.0			0.0			8.0			12.0			CIRC.	HOURS	30.0
TRIP	HOURS	10.0	·		0.0		100	9. 0.0		١	26.0			90.0			TRIP	HOURS	202.0
DRILLING	HOURS	12.0		000	37.8			156.6			100.0			300.0			DRILLING	HOURS	601.4
EST. ROP	FT./HR.	1.0			25.0			14.0			10.0			4.0					TOTAL
PROPOSED	BIT	6 1/8"	4 Type		6 1/8"	4 Type		6 1/8"	3 Type	3 Bits	6 1/8"	4 Type	4 Bits	6 1/8"	3 Type	6 Bits			
	ВНА	4 3/4" M1X	MWD		4 3/4" M1X	MWD		4 3/4" M1X	MWD		4 3/4" M1X	MWD		4 3/4" M1X	MWD				
	SECTION	ipstock			Drill Curve to 25 Degree 4 3/4" M1X			Drill Tangent Section			Drill Drop Section			Hold Section					
1	NTERVAL	10438	<u>٥</u>	10450	10450	<u>გ</u>	11271	11271	10	13463	13463	2	14463	14463	C	15563	2000		

TTI DBI & DAVe	41.5	41 5 JOB DAYS INCLUDE 15% CONTINGENCY
ווי מארט מאוט	2	
TTL STAND-BY DAYS	0.0	
	2,7	
IL JOB DATA	2::	

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This is an estimate of time based on bit record and experience. This is not a guarantee of actual time.



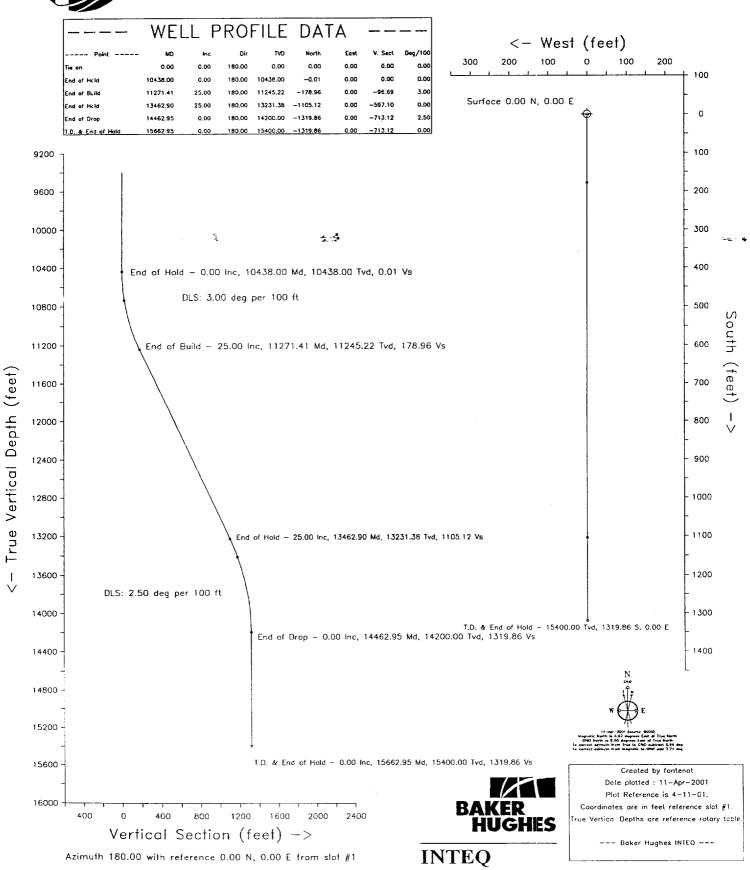
POGO PRODUCING CO.

Structure : Covington A Federal #1

Slot : slot #1

Field:

Location: LEA COUNTY, NEW MEXICO





Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANO		Dogleg Deg/100ft	
10000.00	0.00	180.00	10000.00	0.00 S	0.00 E	0.00	
10438.00	0.00	180.00	10438.00	0.01 S	0.00 E	0.00	KOP #1
10538.00	3.00	180.00	10537.95	2.62 S	0.00 E	3.00	
10638.00	6.00	180.00	10637.63	10.47 S	0.00 E	3.00	
10738.00	9.00	180.00	10736.77	23.52 S	0.00 E	3.00	
10838.00	12.00	180.00	10835.08	41.74 S	0.00 E	3.00	
10938.00	15.00	180.00	10932.31	65.08 S	0.00 E	3.00	
11038.00	18.00	180.00	11028.18	93.47 S	0.00 E	3.00	
11138.00	21.00	180.00	11122.44	126.85 S	0.00 E	3.00	
11238.00	24.00	180.00	11214.81	165.11 S	0.00 E	3.00	
11271.41	25.00	180.00	11245.22	178.96 S	0.00 E	3.00	EOC #1/Hold
11500.00	25.00	180.00	11452.39	275.57 S	0.00 E	0.00	
12000.00	25.00	180.00	11905.54	486.88 S	0.00 E	0.00	
12500.00	25.00	180.00	12358.70	698.18 S	0.00 E	0.00	
13000.00	25.00	180.00	12811.85	909.49 S	0.00 E	0.00	
13462.90	25.00	180.00	13231.38	1105.12 S	0.00 E	0.00	
13462.95	25.00	180.00	13231.43	1105.15 S	0.00 E	2.50	KOP #2
13562.95	22.50	180.00	13322.95	1145.41 S	0.00 €	2.50	
13662.95	20.00	180.00	13416.15	1181.65 S	0.00 E	2.50	
13762.95	17.50	180.00	13510.83	1213.79 S	0.00 E	2.50	
13862.95	15.00	180.00	13606.83	1241.77 S	0.00 E	2.50	
13962.95	12.50	180.00	13703.96	1265.54 S	0.00 E	2.50	
14062.95	10.00	180.00	13802.03	1285.04 S	0.00 E	2.50	
14162.95	7.50	180.00	13900.86	1300.26 S	0.00 E	2.50	
14262.95	5.00	180.00	14000.25	1311.14 S	0.00 E	2.50	
14362.95	2.50	180.00	14100.03	1317.68 S	0.00 E	2.50	
14462.95	0.00	180.00	14200.00	1319.86 S	0.00 E	2.50	EOC #2/Hold
14500.00	0.00	180.00	14237.05	1319.86 S	0.00 E	0.00	
15000.00	0.00	180.00	14737.05	1319.86 S	0.00 E	0.00	
15500.00	0.00	180.00	15237.05	1319.86 S	0.00 E	0.00	
15662.95	0.00	180.00	15400.00	1319.86 S	0.00 E	0.00	PBHL/TD

WHIPSTOCK SETTING PROCEDURE BOTTOM SET TYPE

Prior to running the whipstock a bit and scraper run needs to be made to a setting depyh \pm 100 ft. In wells where casing condition may be suspect a gauge ring run should be made to assure whipstock will go.

- 1. Run in hole with wireline set bridge plug and set 5-10 ft above a casing collar. TOOH This will ensure the window will not be cut out through a casing collar.
- 2. Run in hole with a bit and scraper and tag CIBP and strap pipe while coming out of hole. This measurement will he used when setting whipstock so accuracy is very important.
- 3. Run in hole with Whipstock, Starting Mill, Orientation Sub, Drill Collars or Weight Pipe and drill pipe string. Stop at a point 5-10 feet above CIBP and rig up wireline to run a Gyro. Take a Gyro reading and determine direction of whipstock face. Rotate pipe as needed to achieve required direction. Lower pipe to within 1 foot of CIBP and take another Gyro reading. Again, if needed, rotate pipe to required direction. This step may need to be repeated several times until confident whipstock is oriented to required direction.
- 4. Lower string to set Whipstock. Weight indicator will jump indicating lower plunger shear pin is sheared and whipstock is set. Continue setting down to shear starting mill bolt weight indicator will jump again indicating bolt is sheared and milling operations may begin.
- 5. Pick up kelly or power swivel depending on type of rig and start circulation. Pick-up string until starting mill has cleared top of whipstock and start rotation. Slowly lower string until weight indicator or torque gauge suggest mill is contacting casing wall. Adjust weight and speed until satisfied with penetration rate. Mill to a predetermined depth that will assure setting lug is completely removed and a cutout in the casing has been started. TOOH
- 6. Run in hole with METAL MUNCHER WINDOW MILL, String Mill and Watermelon Mill. Resume milling operations and mill until complete assembly has cleared casing. Pick up and lower string several times with out rotation to assure a good clean window. Circulate hole clean and TOOH.
- 7. If window milling assembly shows extreme wear consideration should be given to repeating step 6 with a new set of mills.
- 8. Drilling operations may commence.