	DUILAG GI	LAND MANAGEM	EN 1-25 M. French		S. LEASE DESIGNATION AND SERIAL
ממא	LICATION FOR F		1-2 C 2 7 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	340	NM-0889 6. IF INDIAN, ALLOTTER OR TRIBE N.
1a. TYPE OF WORK	LICATION FOR F	ENMIL TO DAI	LL ON DEEPEN		OE TRIBE M.
	ORILL 🗆 🕟	DEEPEN			7. UNIT AGREEMENT NAME
b. Tipe of well	GAS 🗂	•	SINGLE (X) MULT		
WELL X 2. NAME OF OPERATOR	WILL OTHER		SINGLE X HULT ZONE ZONE	"PLE	8. FARM OR LEASE NAME, WELL NO.
COG OPERATI		(GREG WILKES 4	32-685-4341) 1	143	M. D. SELF # 8
3. ACCRESS AND TELEPHONE A 550 WEST TEX	XAS AVENUE SUITE	1300 MIDLAND,	TEXAS 79701		10 PITE LYD POOL
At suriace	(Report location clearly an	•	•		JUSTIC BLINEBRY TUBB DRINKARD
1650' FNL &	1650' FWL SECTIO				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. 2	same Per	5Natur 3	122105/12-4	F	SECTION 6 T26S-R38
14. DISTANCE IN MILE	S AND DIRECTION FROM NE	REST TOWN OR POST OFF	icx.	<u>, </u>	12. COUNTY OR PARISH 13. STATE
	ly 7 miles South	east of Jal New	Mexico		LEA CO. NEW MEX
15. DISTANCE FROM PRO LOCATION TO NEAR	EST	· 1	NO. OF ACRES IN LEASE		F ACRES ASSIGNED
	rig, unit line, if any) 10	50':	2240	_ _	40
18. DISTANCE FROM PR TO NEAREST WELL, OR APPLIED FOR, ON	DOLLLING COMPLETED	20'	TROPOSED DEPTH	20. ROTAL	BY OR CABLE TOOLS
21. ELEVATIONS (Show v	whether DF, RT, GR, etc.)	3037' GR.			22. APPROX. DATE WORK WILL STA WHEN APPROVED
23.		PROPOSED CASING A	ND CEMENTING PROGRA	AM Canh	on Controlled Water Basks
SIZE OF HOLE	GRADE, SIZE OF CASING	MEIGHT PER FOOT	SETTING DEPTH		THE MUSS TO FITTHAUP
25"	Conductor	NA NA	40'		to surfacewith Redi-
12½"	J-55 8 5/8"	32	975'		circulate cement to
7 7/8"	J-55 5½"	17	.5600'	500 Sz	. Est, top of cement
Redi-mix.	hole to 40'. Set				
Redi-mix. 2. Drill 12½" with 200 Sx. 200 Sx. of 3. Drill 7 7/ with 500 Sx. surface. APPROVA GENERAL	hole to 975'. Rox. of Class "C" cemen 8" hole to 5600' x. of Class "C" con L SUBJECT TO REQUIREMENT	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci . Run and set 5 cement + additi OPER. OGR PROPERTY CS POOL CODE	of 8 5/8" 32# CaCl, + ½# Floorculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913	J-55 STS cele/Sx, to surfa J-55 L	C casing. Cement tail in with ace! A56789707 C casing. Cement ment 2400' from
Redi-mix. 2. Drill 12½" with 200 Sr. 200 Sx. of 3. Drill 7 7/8 with 500 Sr. surface. APPROVA GENERAL AND SPECATTACHE	hole to 975'. Rix. of Class "C" Class "C" cemen 8" hole to 5600'x. of Class "C" of C" of C	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci Run and set 5 cement + additi OPER. OGR PROPERTY S POOL CODE ONS EFF. DATE API NO	of 8 5/8" 32# CaCl, + ½# Floorculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913 NO. 301053 34226 8/16/05 3 on present productive zone	J-55 ST8 cele/Sx, to surfa J-55 V pop of cel grouposed and groposed	C casing. Cement tail in with ace! Casing. Cement tail in with ace! Casing. Cement tail and the casing of the ca
Redi-mix. 2. Drill 12½" with 200 Sr. 200 Sx. of 3. Drill 7 7/2 with 500 Sr. surface. APPROVA GENERAL AND SPEC ATTACHE N ABOVE SPACE DESCAV sepen directionally, give per	hole to 975'. Rox. of Class "C" class "C" cement 8" hole to 5600'x. of Class "C" of Class "C" of Class "C" of Class TO CEQUIREMENT CIAL STIPULATION	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci Run and set 5 cement + additi OPER. OGR PROPERTY S POOL CODE ONS EFF. DATE API NO	of 8 5/8" 32# CaCl, + ½# Floorculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913 NO. 301053 34226 8/16/05 3 on present productive zone	J-55 ST8 cele/Sx, to surfa J-55 V pop of cel grouposed and groposed	C casing. Cement tail in with ace! Casing. Cement tail in with ace! Casing. Cement tail and the casing of the ca
Redi-mix. 2. Drill 12½" with 200 Sr. 200 Sx. of 3. Drill 7 7/8 with 500 Sr. surface. APPROVA GENERAL AND SPECATTACHE	hole to 975'. Rix. of Class "C" Class "C" cemen 8" hole to 5600'x. of Class "C" of C" of C	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci Run and set 5 cement + additi OPER. OGR PROPERTY S POOL CODE ONS EFF. DATE API NO. proposal is to deepen, give dat as and measured and true vertice.	of 8 5/8" 32# CaCl, + ½# Floorculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913 NO. 301053 34226 8/16/05 3 on present productive zone	J-55 ST8 cele/Sx, to surfa J-55 V pop of cel grouposed and groposed	C casing. Cement tail in with ace! Casing. Cement tail in with ace! Casing. Cement tail and the casing of the ca
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Redi-mix. 2. Drill 12½" with 200 St. 200 Sx. of 3. Drill 7 7/with 500 St. surface. APPROVA GENERAL AND SPECATTACHE NABOVE SPACE DESCRIPTION SIGNED SIGNED	hole to 975'. Rix. of Class "C" Class "C" cemen 8" hole to 5600'x. of Class "C" CL SUBJECT TO REQUIREMENT CIAL STIPULATION BE PROPOSED PROGRAM: If cinent data on subsurface location	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci Run and set 5 cement + additi OPER. OGR PROPERTY S POOL CODE ONS EFF. DATE API NO. proposal is to deepen, give dat as and measured and true vertice.	of 8 5/8" 32# CaCl, + ½# Florculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913 NO. 301053 34226 34226 30-025-3 Ta on present productive zone cal depths. Give blowout prevent	J-55 ST8 cele/Sx, to surfa J-55 V pop of cel grouposed and groposed	C casing. Cement tail in with ice! 56789707 Casing. Cement tement 2400' from the control of th
Redi-mix. 2. Drill 12½" with 200 St. 200 Sx. of 3. Drill 7 7/with 500 St. surface. APPROVA GENERAL AND SPECATTACHE NABOVE SPACE DESCRIPTION (T) AS space for Federal St. Signed Constitution of the Constit	hole to 975'. Rix. of Class "C" class "C" cemen 8" hole to 5600'x. of Class "C" of	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci Run and set 5 cement + additi OPER. OGR PROPERTY S POOL CODE ONS EFF. DATE API NO. proposal is to deepen, give dat as and measured and true vertice.	of 8 5/8" 32# CaCl, + ½# Floorculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913 NO. 301053 34226 8/16/05 30 on present productive zone cal depths. Give blowout prevent	J-55 STS cele/Sx, to surfa J-55 V op of E	C casing. Cement tail in with ice! 56789707 Casing. Cement tement 2400' from the control of th
Redi-mix. 2. Drill 12½" with 200 St. 200 Sx. of 3. Drill 7 7/with 500 St. surface. APPROVA GENERAL AND SPECATTACHE NABOVE SPACE DESCRIPTION CITAL SIGNED Application approval does	hole to 975'. Rix. of Class "C" class "C" cemen 8" hole to 5600'x. of Class "C" of	un and set 975' 35/65 POZ, + 2% t + 2% CaCl, ci Run and set 5 cement + additi OPER. OGR PROPERTY S POOL CODE ONS EFF. DATE API NO. proposal is to deepen, give dat as and measured and true vertice.	of 8 5/8" 32# CaCl, + ½# Floorculate cement 600' of 5½" 17# ves, estimate to 10 NO. 22913 NO. 301053 34226 8/16/05 30 on present productive zone cal depths. Give blowout prevent	J-55 STS cele/Sx, to surfa J-55 V op of E	C casing. Cement tail in with ace! A56789707 C casing. Cement ment 2400' from Moths OCO Separate OT/26/05 DATE OT/26/05

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent Statements or representations as to any matter within its jurisdiction.

Form 3160-5 (Augusa 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires November 30, 2000

5.	Lease Serial No.	
	NM-0889	

SUNDR	Y NOTICES AND REPO	RTS ON W	ELLS		1111 0	,00,		
Do not use the abandoned we	is form for proposals to ell. Use Form 3160-3 (APL	drill or to r)) for such p	e-enter an roposals.		6. If Indian	a, Alic	ottee or Tribe Name	
SUBMIT IN TR	IPLICATE - Other instru	ıctions on	reverse sid	ie	7. If Unit o	or CA	/Agreement, Name and/or N	lo.
1. Type of Well								
☐ Oil Well ☐ Gas Well ☐	Other				8. Well Na M. D. S	ame ai	nd No.	
2. Name of Operator COG OPERATING, LL	.C. (ERT	CK_NELSO	1432-685-	-4342)	9. API We			
3a. Address 550 WEST TEX			o. (include area					
SUITE 1300 MIDLA	ND, TEXAS 79701	432-68	5-4342				l, or Exploratory Area	_
4. Location of Well (Footage, Sec.,							EBRY, TUBB, DRINK	•
					11. County	or Par	rish, State	
					LEA CO). N	NEW MEXICO	
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE	NATURE C	OF NOTICE, F	REPORT, OF	R OT	HER DATA	
TYPE OF SUBMISSION			TYPE C	F ACTION				
	Acidize	Deepen		Production (Sta	⊓√Resume)		Water Shut-Off	
Notice of Intent	Alter Casing	Fracture T	_	Reclamation	,	_	Well Integrity	
D Character Based	Casing Repair	New Cons	ruction 🔲	Recomplete			Other Move	
Subsequent Report		Plug and A	bandon 🔲	Temporarily Al	bandon		location	
Final Abandonment Notice	Convert to Injection	Plug Back		Water Disposal				
testing has been completed. Fin determined that the site is ready for the control of the control	LC. requests the a L & 1650' FNL SECT L & 1350' FNL SECT his request is to	pproval	all requested to move to 265–R38E	the locati	on of The	een d ≘ir		
14. I hereby certify that the foregoing	g is true and correct							
Name (Printed/Typed) Joe T. Janica			Title Agen	+				
Signature / O. O	TOlano	in	Date 03/2	-			***************************************	
	/ THIS SPACE FO		L OR STATE	OFFICE USE				
Approved by /S/ J	oe G. Lara) A Title	ELD MA	NAGER	ite	JUL 0.6 2005	
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to co	or equitable title to those rights	does not warra in the subject	nt or lease Office	CARL	SBAD FI	EL	D OFFICE	

State of New Mexico

DISTRICT I ,1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NW 88210 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

Form C-102 Revised JUNE 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

Santa Fe, New Mexico 87505

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	WELL LOCATION AND	ACREAGE DEDICATION PLAT	□ AMENDED REPORT		
30-025-37411	Pool Code 34220	Pool Name JUSTIC,BLINEBRY,TUBB,DRINKARD			
Property Code 3D1D53	-	erty Name . SELF	Well Number 8		
229137	-	ator Name PRATION LLC	Elevation 3036'		

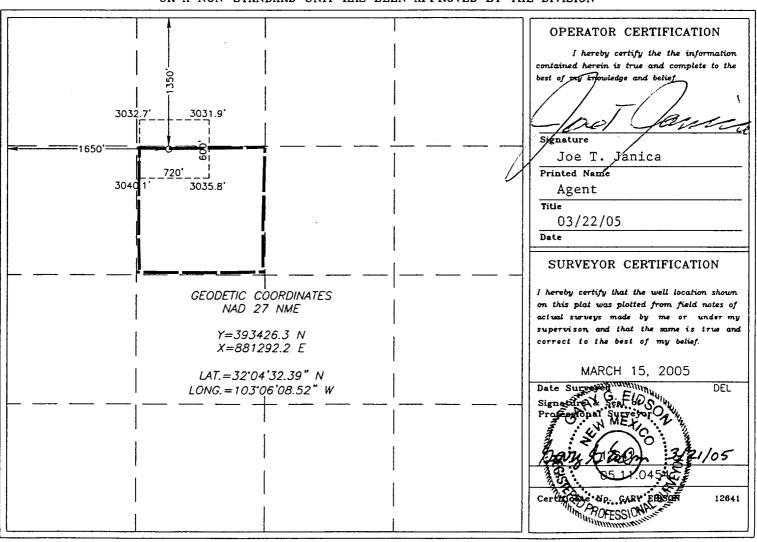
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	6	26-S	38-E		1350	NORTH	1650	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/West line	County
Dedicated Acres	Joint o	r Infili C	nsolidation	Code Ore	der No.				
40					NS	L-524	b		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



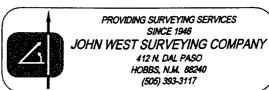
LEA COUNTY,	TOWNSHIP 26 SC	OUTH, RA	NGE 38	EAST, N.	M.P.M., MEXICO
		720°			3031.9
371' OF PROPOSED ROAD	150' NORTH OFFSET 3033.6'				номи
. 00 150' WEST OFFSET 3032.0'		⊡ [′] - 9' 39" N	20' WEST OFFSET 3032.8'		
	□ 150' SOUTH OFFSET 3038.2'	ł			
3040.1' DIRECTIONS TO LC	OCATION	720'			3035.8'
FROM THE INTERS. ST. HWY. #128 IN #128 APPROX. 4.I AT LEASE ROAD A MILES. FOLLOW PF	FROM THE INTERSECTION OF ST. HWY. #18 AND ST. HWY. #128 IN JAL. GO EAST ON ST. HWY. #128 APPROX. 4.6 MILES. TURN RIGHT (SOUTH) AT LEASE ROAD AND GO SOUTH APPROX. 3.2 MILES. FOLLOW PROPOSED ROAD SURVEY APPROX 371' EAST TO THIS LOCATION.			100 1"=100' ERATION	200 Feet
	POVIDING SURVEYING SERVICES SINCE 1946 VEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117	AND 16 TOWN Survey Date: W.O. Number	CATED 1350 FEE 50 FEET FROM 1 ISHIP 26 SOUTH, LEA COUN 03/15/05		ECTION 6, M.P.M.,

VICINITY MAP

29	28	<i>F</i> 1	26	25 EA E	a 30	<u>ω</u> 29	28	27	26	25 OOLIARHICE	10E 8	29	28 -
32	33	34	35 PH	36 LUPS HILL		32 EL	33 PASED J13	34 ₹	35	J14	SE E	32	33 -
5	4	3	2	J10 1	ST.	5	4	VILLIS VILLIS	2	1	6	5	4
9	9	10	n	12	1 THIRD	8	9	10 LEA COUNTY JAL AP			7	DE «	9
17	16	15	14	³ JA	L E		SCHOOLEY	ALC:	Š 14	13 ST	18 128	DOLLARH DE	16 25 S
20	21	22	23	24 W	ONING 19	20	21	WILLIS	ž 23	24 L6 24 L6 24 L8	자 86 8 19	20	38 E
Z9	28	27	26	25 K G E	s / 2	89	28	NEVADA JS 27	26	25	30	29	28
32	33	34	35	36	31	32	33	SITUM	* 35	36	31	32	33
5	1	3	5	1 P		5	,	3	2 SELF #	1	6	5	4
8	2	10 ANT	11 (A) HDNY	PAN 12	BF,	NNE	TŢ	10	SELF #	12	7	8	9
17	16	.i5	हु <mark>रें</mark> 14	13	18	17	16	15	14	13	18	17 T 26	16 C E2
20	21	22 (200)	23	24 98 24 88	ور 19	20	21	55 /20	23	24 LC	R 38 19	20	ਸ ਲ 88
20 80 0	CKAM RA	27 27	26	25	30	29	28	27	26	ස	30	29	28
35	33 /	34	35	36	31	32	33	34	35	36	31	32	33

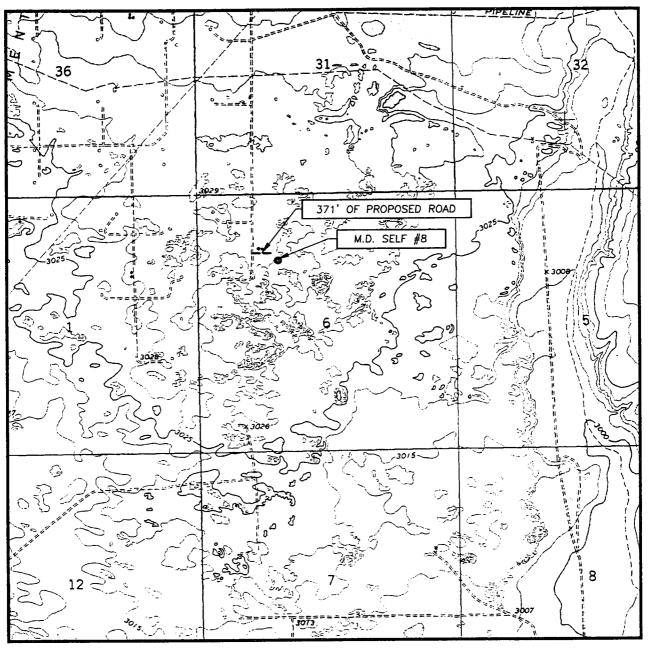
SCALE: 1" = 2 MILES

SEC. 6 T	VP. <u>26-S</u> RGE. <u>38-E</u>
SURVEY	N.M.P.M.
COUNTY	LEA
DESCRIPTION	1350' FNL & 1650' FWL
ELEVATION	3036′
OPERATOR	COG OPERATING LLC
LEASE	M.D. SELF



ном

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. 6 TWP. 26-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1350' FNL & 1650' FWL

ELEVATION 3036'

OPERATOR COG OPERATING LLC

LEASE M.D. SELF

U.S.G.S. TOPOGRAPHIC MAP

JAL SE, TEX.—N.M.

CONTOUR INTERVAL:

JAL SE, TEX.-N.M. - 5'

CONTOURS IN SHIFTING SAND -25'



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

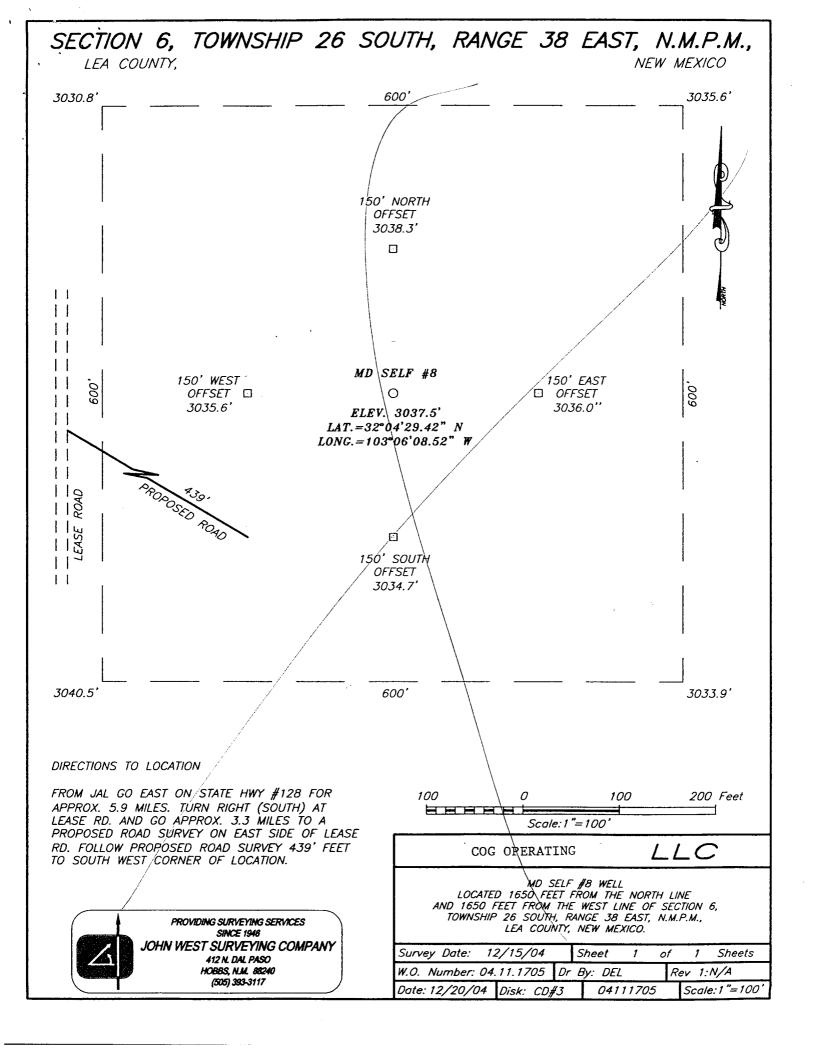
DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised JUNE 10, 2003 OIL CONSERVATION DIVISION Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV WELL LOCATION AND ACREAGE DEDICATION PLAT ☐ AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA PR. NM 87506 Pool Name API Number Pool Code 34220 JUSTIC BLINEBRY TUBB DRINKARD Property Name Well Number Property Code MD SELF OGRID No. Onerstor Name Elevation 229137 3037 COG OPERATING, LLC. Surface Location East/West line Lot Idn Feet from the North/South line Feet from the UL or lot No. Section Township Range County WEST 1650 NORTH 1650 LEA 6 26-S 38-E Bottom Hole Location If Different From Surface Range Lot Idn Feet from the North/South line Feet from the East/West line UL or lot No. Section Township County Order No. Dedicated Acres Joint or Infill Consolidation Code 40 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. 3030.8 3035.6 Joe T. Jamica Printed Name -1650 Agent Title 304d 5 3033.9* 01/26/05 Date SURVEYOR CERTIFICATION hereby certify that the well location shown GEÓDETIC COORDINATES on this plat was plotted from field notes of NAD 27 NME actual surveys made by me or under my supervison, and that the same is true and Y=393126.3 N correct to the best of my belief. X=881295.6 E Date Surveyed DECEMBER 15, 2004 LAT.=32'04'29.42" N LONG. = 103.06'08.52" W Professional Surveyor Dan & Eulm 12/23/04 04.11.1705 12641 Certificate No. GARY EIDSON



VICINITY MAP

29	28	<i>f</i> 2	26	25 8 6 7 3	0	29	28	27 77	i	PR. 25 OOLUARHICE	30	29	58
35	33 🔏	T. T. Sun	35	36	31	32	33 PASEO	34 ₹	` 35	J14	DOLLARHIDE	35	33
5	4	3	2	LLIPS HILL	6 7.18	5	4	» VILLIS	2	1	6	5	4
8	9	10	11	12	1 THIRD S	8	9	10	-11	12	7	DE ®	9
17	16	15	. S ₇ .	→ JAI	HK 81	12/25	91 SC 821 12	NILL)S	5 14	13 ST.	18 128	DOLLARHIDE 1 JI 4	16
20	21	22	23	24 WYON	Z	20	21	S WILLIS	23	24 A G		20	38 B !!
29(28	27	26	52 RR 36 BE	THIRD ST	29	28	NEVAÓA JS 27	26	25	30	29	21
32	33	34	35	36	31	32	7 33	34 SITTIM	y 35	36 LF #8	31	32	3:
5	4)	3	2	i i		5		3	2	1	6	5	•
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17	16	,,,	F 14	13	18	17	16	15	14	13	18	17	16 <u>sa</u>
20	21	22 (200	23	24 92 65 84 84 84 84 84 84 84 84 84		20	21	55 /	23	24 ES 22	e 19	20	2 R 38
29 Private	CKAM RA	NCH 27	26	25	30	29	28	27	. 26	25	30	29	28
32	33	34	35	36	31	32	33	34	35	36	31	32	33

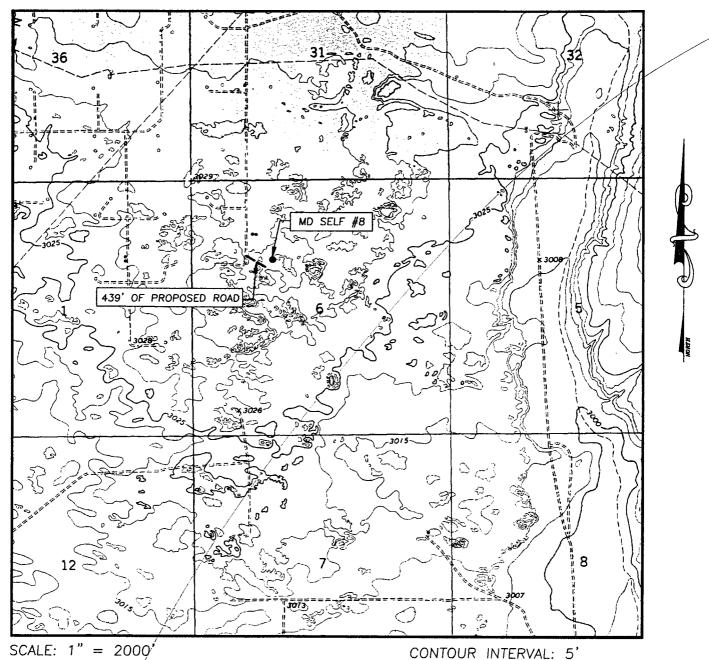
SCALE: 1" = 2 MILES

SEC. <u>6</u> TWP. <u>26</u>	<u>-S</u> RGE. <u>38-E</u>
SURVEY N	I.M.P.M.
COUNTY	LEA
DESCRIPTION 1650'	FNL & 1650' FWL
ELEVATION	/ 3037'
OPERATOR COG OP	ERATING, LLC.
LEASE M	D SELF



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

LOCATION VERIFICATION MAP



SEC. <u>6</u> TWP. <u>26</u>—S RGE. <u>38</u>—E

SURVEY_____N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 1650' FWL

ELEVATION 3037'

OPERATOR COG OPERATING, LLC.

LEASE MD SELF

U.S.G.S. TOPOGRAPHIC MAP JAL SE, T.X.—N.M.

CONTOUR INTERVAL: 5
JAL SE, T.X.—N.M.



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117

OCD-HOBBS

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

5.	Lease Serial No. NM0889
6.	If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS				NM088	9
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.				6. If Indian	, Allottee or Tribe Name
SUBMIT IN TRIPLICATE- Other instructions on reverse side.				7. If Unit or	r CA/Agreement, Name and/or No.
1. Type of Well Oil Well	Gas Well Other			0 37-1137-	
				8. Well Nar M. D. S	
2. Name of Operator COG Operator	ing LLC	3b. Phone No. (include	(n man an da)	9. API We	ell No.
550 W. Texas Ave., Suite 1300	Midland, TX 79701	432-685-4372	e area coaej	10. Field an	d Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 7	T., R., M., or Survey Description)				Blinberry, Tubb, Drinkard
1350' FNL; 1650' FWL Unit F, Sec 6, T26S, R38E				1	or Parish, State unty, NM
12. CHECK AF	PROPRIATE BOX(ES) TO	INDICATE NATUI	RE OF NOTICE, R	EPORT, OR	OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
✓ Notice of Intent	Acidize	Deepen	Production (Sta	art/Resume)	Water Shut-Off
	Alter Casing Casing Repair	Fracture Treat	Reclamation		Well Integrity ✓ Other Lease Responsibility
Subsequent Report	Change Plans	New Construction Plug and Abandon	Recomplete Temporarily Al	oandon	Statement & Surface
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal		Owner's Agreement
Attach the Bond under which the following completion of the investing has been completed. Fir determined that the site is ready COG Operating LLC has Attached is the Lease Responder.	work will be performed or provice olved operations. If the operation is all Abandonment Notices shall be for final inspection.) received the surface owner's a consibility Statement.	ie the Bond No. on file results in a multiple com filed only after all require	with BLM/BIA. Require pletion or recompletion is sments, including reclaments the surface use. ACCEPTE	D FOR R	ECORD 05
 I hereby certify that the foreign Name (Printed/Typed) 					
Diane Kuykenda		Title I	Regulatory Analyst		
Signature: Date Date				6/24/2005	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Approved by		FIE	ANAM G	ER [Date
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in		Office CARLS	BAD F	-IELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

United States Department of the Interior **BUREAU OF LAND MANAGEMENT** Roswell Office 2909 West Second Street Roswell, New Mexico 88201

Statement Accepting Responsibility for Operations

Operator name:

COG Operating LLC

Street or box:

550 W. Texas, Suite 1300

City, State:

Midland, TX

Zip code:

79701

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.:

NM 0889

Legal Description of Land: Section 5 & 6, T26S, R38E

Formation(s) (if applicable):

Bond Coverage: (State if individually bonded or another's bond)

Statewide

BLM Bond File No.:

NMB000215

Authorized Signature:

Title:

Sr. Landman

Date:

June 24, 2005

APPLICATION TO DRILL

COG OPERATING, LLC. M. D. SELF # 8

UNIT "F"

SECTION 6

T26S-R38E

LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

- 1. Location of well: 1650' FNL & 1650' FWL SECTION 6 T26S-R38E LEA CO. NM
- 2. Ground Elevation above Sea Level: 3037' GR.
- 3. Geological age of surface formation: Quaternary Deposits:
- 4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium to remove solids from hole.
- 5. Proposed drilling depth: 56001

6. Estimated tops of geological markers:

Rustler Anhydrite	950'	Queen	3120'
Salado Salt	1050	San Andres	3670'
Yates	2400'	Blinebry	5150 '
7 Rivers	2690'		

7. Possible mineral bearing formations:

Queen

Oil

Blinbrey

Oil

8. Casing Program:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
25"	0-40'	20"	NA	NA	NA	Conductor
12½"	0-975'	8 5/8"	32	8-R	ST&C	J - 55
7 7/8"	0-5600'	5½''	17	8-R	LT&C	J-55

APPLICATION TO DRILL

COG OPERATING, LLC.
M. D. SELF # 8

UNIT "F"

SECTION 6

T26S-R38E

LEA CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi-mix.
8 5/8"	Surface	Set 975' of 8 5/8" $32\#$ J-55 ST&C casing. Cement with 200 Sx. of 35/65 Class "C" POZ + 2% CaCl, + $\frac{1}{2}\#$ Flocele /Sx., tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
5½"	Production	Set 5600' of $-5\frac{1}{2}$ " 17# J-55 LT&C casing. Cement with 500 Sx. of Class "C" cement + additives, estimate top of cement 2400' from surface or at least 500' above the upper most pay interval.

PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 900 Series 3000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams, and bottom pipe rams. The B.O.P. will be nippled up on the 8 5/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each hole on trips. Full opening stabbing valve and upper kelly cock will will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 3000 PSI choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected in this well.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS TYPE SYSTEM
40-975'	8.4-8.7	29–38	NC Fresh water native mud, add paper to control seepage and high viscosity sweeps to clean hole.
975-5600'	10.0-10.2	29-40	NC* Brine water add Gel for viscosity, Lime for pH control, paper for seepage starch for water loss control.

^{*} Water loss may be desired in order to protect pay intervals, log well and run casing.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, & casing the viscosity and/or water loss may have to be adjusted to meet these needs.

APPLICATION TO DRILL

COG OPERATING, LLC.
M. D. SELF # 8
UNIT "F" SECTION 6
T26S-R38E LEA CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

- A. Open hole logs: Dual Laterolog, SNP, LDT, Gamma Ray, Caliper from TD back to the 8 5/8" casing shoe.
- B. Run Gamma Ray, Neutron from 8 5/8" casing shoe to surface.
- C. No DST's or cores are planned at this time.
- D. Mud logger may be rigged up on hole at the Geologists request.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of ${\rm H}^2{\rm S}$ in this area. If ${\rm H}^2{\rm S}$ is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP ______ 2900 _____ PSI, and

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operation and drilling is expected to take 18 days. If production casing is run then an additional 20 days will be needed to complete well and construct surface facilities and/or lay flowlines in order to place well on production.

15. OTHER FACETS OF OPERATIONS:

After running casing, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The Blinebry formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialed as an oil well.

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H₂S safety instructor to the following:
 - A. Characteristics of H₂S
 - B. Physical effects and hazzards
 - C. Proper use of safety equipment and life support systems.
 - D. Principle and operation of H₂S detectors, warning system and briefing areas.
 - E. Evacuation procedure, routes and first aid.
 - F. Proper use of 30 minute pressure demand air pack.
- 2. H₂S Detection and Alarm Systems
 - A. H₂S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or wind streamers
 - A. Windsock at mudpit area should be high enough to be visible.
 - B. Windsock at briefing area should be high enough to be visible.
 - C. There should be a windsock at entrance to location.
- 4. Condition Flags and Signs
 - A. Warning sign on access road to location.
 - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H₂S present in dangerous concentration. Only emergency personnel admitted to location.
- 5. Well control equipment
 - A. See exhibit "E" & "E-1"
- 6. Communication
 - A. While working under masks chalkboards will be used for communication.
 - B. Hand signals will be used where chalk board is inappropriate.
 - C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
- 7. Drillstem Testing
 - A. Exhausts will be watered.
 - B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
 - C. If the location is near to a dwelling a closed DST will be performed.

- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.
- 9. If $\rm H_2S$ is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with $\rm H_2S$ scavengers if necessary.

COG OPERATING, LLC. M. D. SELF # 8

UNIT "F"

SECTION 6

T26S-R38E

LEA CO. NM

- 1. EXISTING AND PROPOSED ROADS: Area maps: Exhibit "B" is a reproduction of a County General Hi-way map showing access roads to the location. Exhibit "C" is a reproduction of a USGS Topographic map showing existing roads in close proximity to the location and the proposed access roads. All existing roads will be maintained in a condition equal to or better than their current conditions. All new roads will be constructed to BLM specifications.
 - A. Exhibit "A" shows the location of the proposed well site as staked.
 - B. From Jal New Mexico take State Hi-way 128 East for 5.9 milest turn Right and go approximately 3.4 miles and location is on the East side of road.
 - C. Exhibit "C" is a topogrophic map that shows roads, flowlines, and powerlines that are proposed for this well.
- 2. PLANNED ACCESS ROADS: Approximately 375' of new road will be constructed.
 - A. The access road will be crowned and ditched to a 12' wide traveled surface with a 40' Right-Of-Way.
 - B. Gradient on all roads will be less than 5% if possible.
 - C. Turn-outs will be constructed where necessary.
 - D. If needed roads will be surfaced to the BLM requirements with material obtained from a local source.
 - E. Center line of new road will be flagged.
 - F. The new road will be constructed to utilize low water crossings where drainage currently exists, and culverts will be installed where necessary.

3. EXHIBIT "A-1" SHOWS THE BELOW LISTED TYPE WELLS WITHIN A 1 MILE RADIUS:

A. Water wells - Windmill approximately 1.3 miles North of location.

B. Disposal wells - None known

C. Drilling wells - None known

D. Producing wells - As shown on Exhibit "A-1"

E. Abandoned wells - As shown on Exhibit "A-1"

COG OPERATING, LLC. M. D. SELF # 8 UNIT "F" SECTION 6

T26S-R38E LEA CO. NM

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Possible routes of pipelines, flowlines and powerlines are shown on Exhibit "C".

5. LOCATION AND TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the access roads or piped to location in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction material will be obtained from the excavation of drill site, if additional material is needed it will be obtained from a local source and transported over the access roads as shown on Exhibit "C".

7. METHODS OF HANDLING WASTE MATERIAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in a approved sanitary land fill.
- C. Salts remaining after completion of well will be picked up by the supplier, including broken sacks.
- D. Waste water from living quaters will be drained into holes with a minium of 10'. These holes will be covered during drilling and will be back filled when the well is completed. A Porto-John will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough to be broken out for furthed drying. If the drilling fluids do not evaporate in a reasonable time they will be hauled off by transports to a state approve disposal site. Later pips will be broken out to speed drying. Water produced during completion will be put in reserve pits. Oil and condensate produced will be put in storage tanks and sold.

8. ANCILLARY FACILITIES:

A. No camps or air strips will be constructed on location.

COG OPERATING, LLC.
M. D. SELF # 8
UNIT "F" SECTION 6
T26S-R38E LEA CO. NM

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the proposed well site layout.
- B. This Exhibit shows the location of reserve pit, sump pits, and living facilities.
- C. Mud pits in the active circulating system will be steel pits and the reserve pits will be unlined unless subsurface conditions encontered during pit construction indicate that a plastic liner is required to contain lateral migration.
- D. If needed the reserve pits will be lined with polyethelene. The pit liner will be no less than 6 mils thick and the liner will be extended at least 3 feet over the top of the dikes and secured in place to keep edge of liner in place.
- E. The reserve pit will be fenced on three sides and fenced with four strands of barbed wire during drilling and completionphases. The 4th side will be fenced after drilling operations are complete and the drilling rig has moved out. If the well is a producer the mud pits will remain fenced in until the mud has dried up enough to break out the pits and reclaimed according to BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE:

Rehabilitation of the location and reserve pits will be allowed to dry properly, fluids may be moved and disposed of in accordance with article 7-E as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any will be reshaped to the original configuration with provisions made to alleviate furture erosion. In case of the well completed as a producer the drilling pad will be necessary to construct production facilities. After the area has been shaped and contoured top soil from the spoil pile will be placed over the disturbed area to the extent possible so that revegetation procedures can be accomplished to comply with the BLM specifications.

If the well is a dry hole the pad and road area will be contoured to match the existing terrain. Top soil will be spread to the extent possible and revegetation will be carried out according to the BLM specifications.

Should the well be a producer the previously noted procedures will apply to those areas which are not required for production facilities.

COG OPERATING, LLC. M. D. SELF # 8

UNIT "F"

SECTION 6

T26S-R38E

LEA CO. NM

11. OTHER INFORMATION:

- A. Topography consists of low lying sand dunes with a low dip to the South-East general strike trending Northeast-Southwest. Vegetation consists of meaquite, snake weed, limited shinnery, and native grasses.
- 3. The surfaceis owned by D.K. Boyd of Midland, Texas, the minerals are owned by The U.S. Department of Interior and is administered by The Bureau of Land Management. Surface is used for grazing of livestock and the production of oil and gas.
- C. An archaeological survey will be conducted and the results will be filed with The Bureau of Land Management Carlsbad Field office in Carlsbad NM.
- D. There are no domestic dwellings located within one mile of the location.

12. OPERATORS REPRESENTIVE:

Before construction:

TIERRA EXPLORATION, INC. P.O. BOX 2188 HOBBS, NEW MEXICO 88241 JOE T. JANICA OFFICE PHONE 505-391-8503

During and after construction:

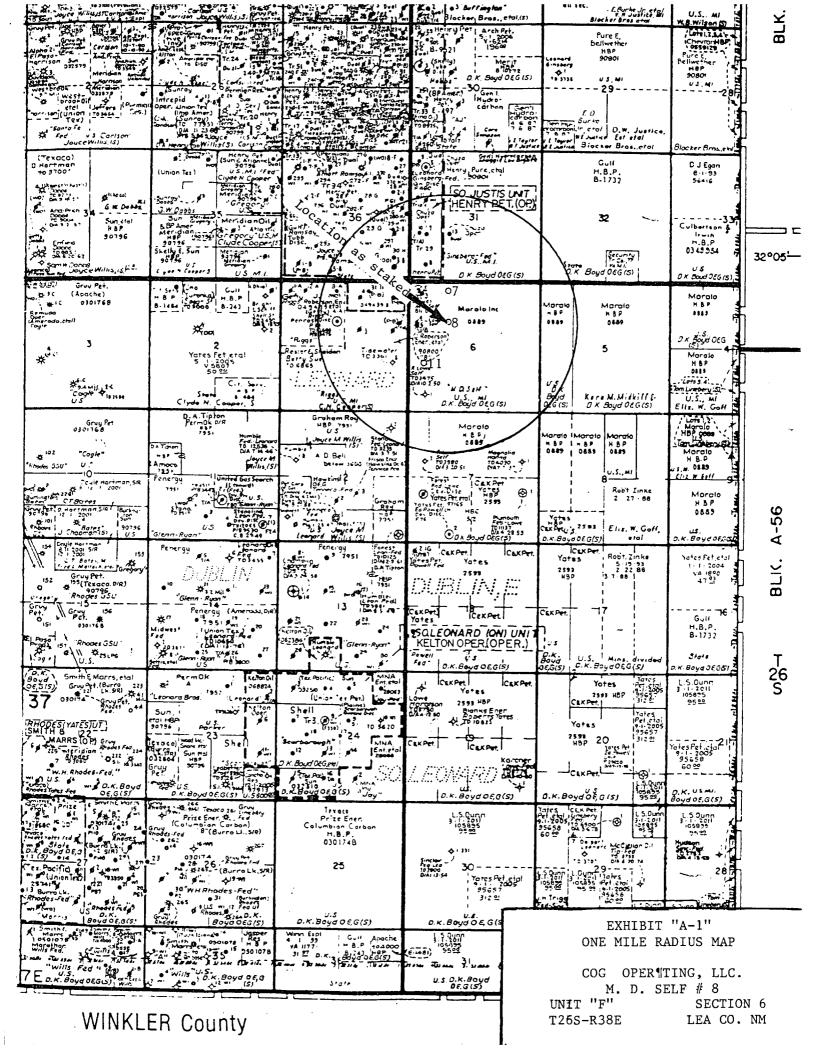
COG OPERATING, LLC. 550 WEST TEXAS AVE SUITE 1300 MIDLAND, TEXAS 79701 ERICK NELSON 432-685-4342

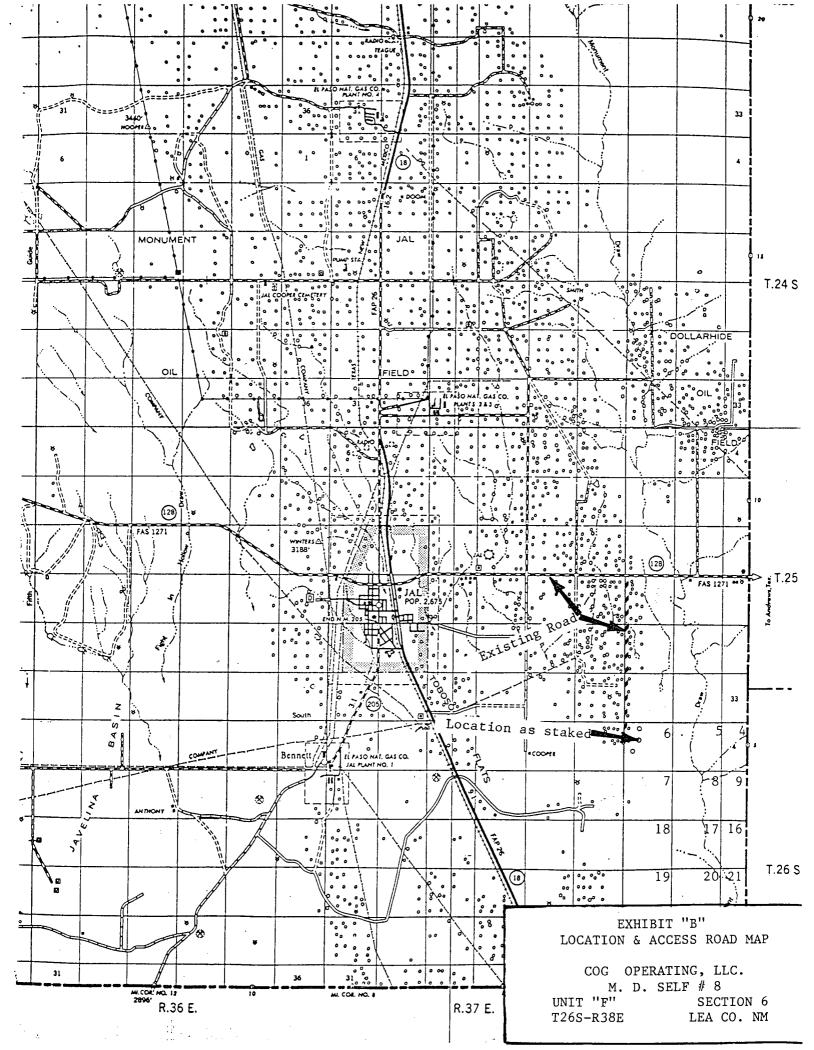
13. CERTIFICATION: I hereby certify that I or persons under my direct supervision have inspected the proposed drill site and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are to the best of my knowledge, are true and correct, and that the work associated with the operations proposed herein will be performed by COG OPERATING, LLC. it's contractors/subcontractors is in the conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false statement.

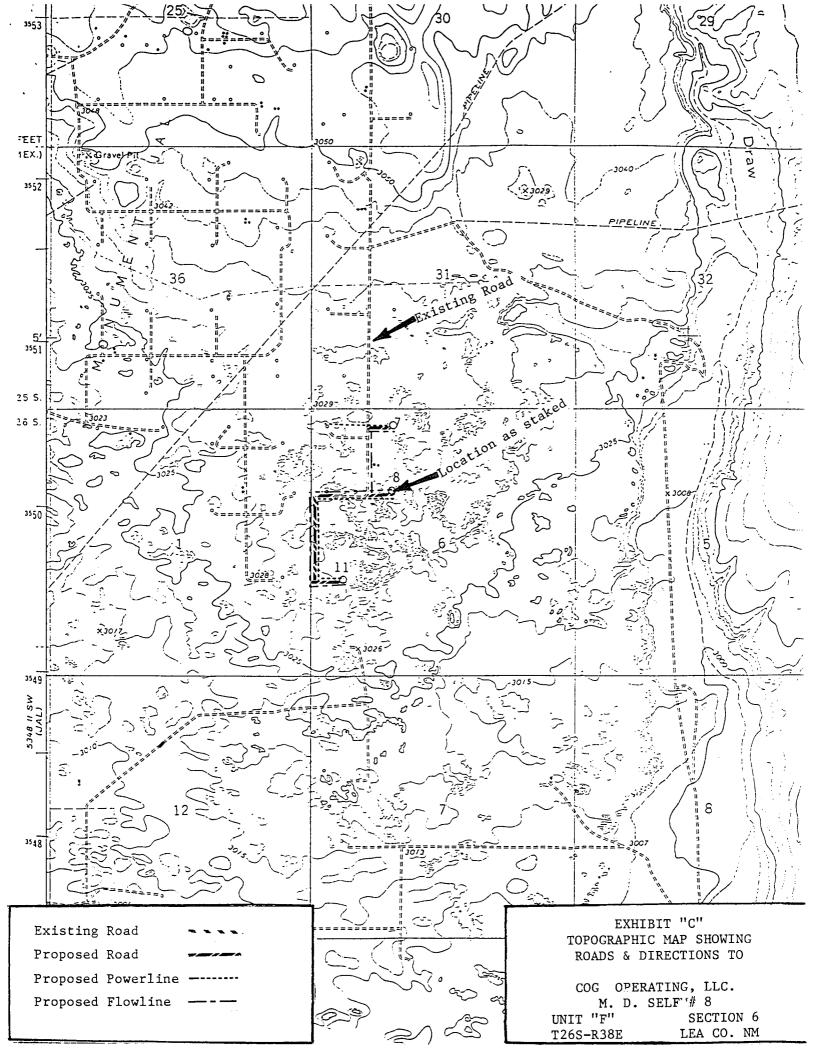
NAME

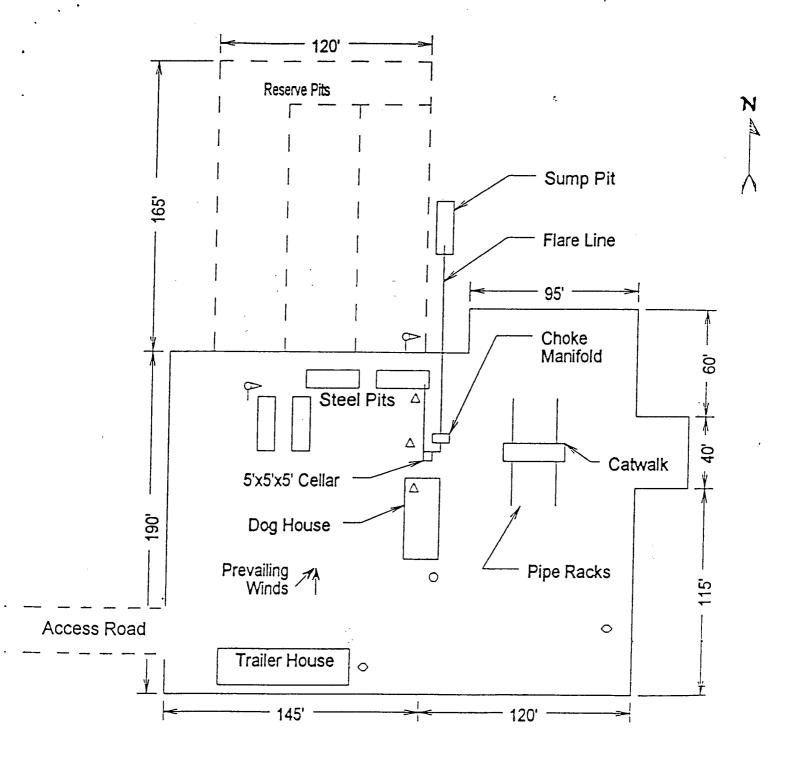
DATE

TITLE









- Wind Direction Indicators (wind sock or streamers)
- △ H2S Monitors (alarms at bell nipple and shale shaker)
- Briefing Areas
- Remote BOP Closing Unit
- □ Sign and Condition Flags

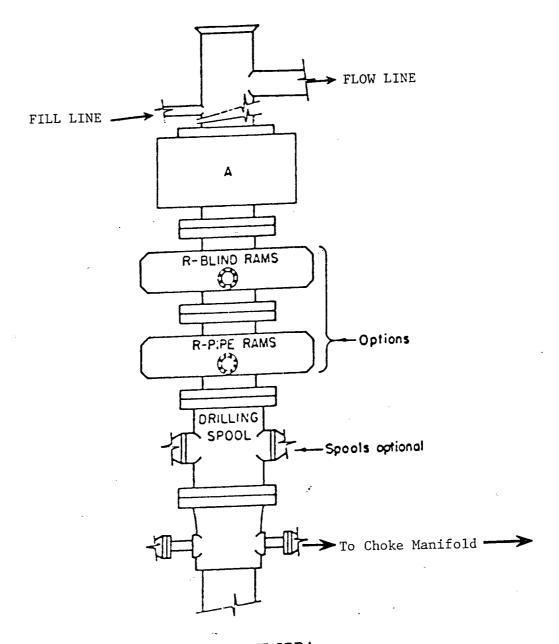
EXHIBIT "D"
RIG LAY OUT PLAT

COG OPERATING, LLC.

M. D. SELF '# 8

UNIT "F" SECTION 6

T26S-R38E LEA CO. NM



ARRANGEMENT SRRA

900 Series 3000 PSI WP

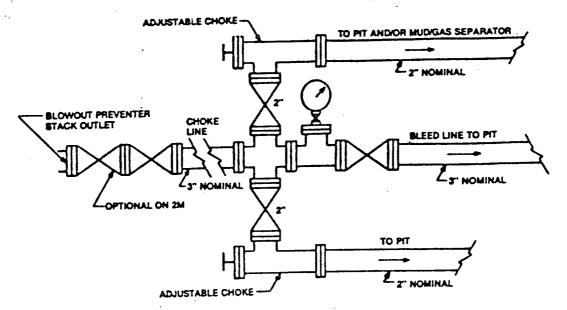
EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

COG OPERATING, LLC.

M. D. 9LF # 8
UNIT "F" SECTION 6

T26S-R38E

LEA CO. NM



Typical choke manifold assembly for 3M WP system

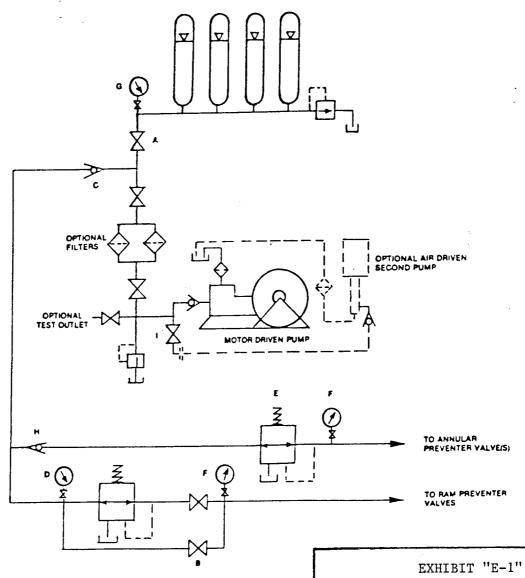


EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

COG OPERATING, LLC.
M. D. SELF # 8

M. D. SELF # 8
UNIT "F" SECTION 6

T26S-R38E

LEA CO. NM

1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

Pit or Below-Grade Tank Registration or Closure Is pit or below-grade tank covered by a "general plan"? Yes \(\subseteq \) No \(\subseteq \) Type of action: Registration of a pit or below-grade tank \(\subseteq \) Closure of a pit or below-grade tank \(\subseteq \)

	or below-glade tank (X) Closure of a pit or below-gr.				
Operator: COG OPERATING, LLC.	Telephone: 432-685-4342c	-mail address:			
Address: 550 WEST TEXAS AVENUE SUITE 1300	MIDLAND, TEXAS 79701				
Facility or well name: M. D. SELF # 8 API # 30-0 County: LEA Latitude 32 04 32.4 Longitude 103	206 108 5!!	<u> 65 _R 38E</u>			
Latitude 32 34 32 4 Longitude 103	NAD: 1927 1983 Surface O	wner Federal 🗌 State 🗌 Private 🔯 Indian 🗌			
Pit	Polow and tout				
Type: Drilling \(\text{Production} \) Disposal \(\text{Disposal} \) Volume: \(\text{_bbi} \) Type of fluid: \(
Workover Emergency	Construction material:				
Lined \(\sum \) Unlined \(\sum \)	Double-walled, with leak detection? Yes [] If no				
Liner type: Synthetic Thickness 12 mil Clay Volume	Boasie Walled, Will leak detection. Tes 11 no	t, explain why not.			
15M_bbl					
Death	Less than 50 feet	Lan			
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(20 points)			
water elevation of ground water.) 180 *	100 feet or more	(10 points)			
	0	(0 points) 0 .			
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)			
water source, or less than 1000 feet from all other water sources.)	No 0	(0 points)			
Distance to surf	Less than 200 feet				
Distance to surface water: (horizontal distance to all wetlands, playas,	7	(20 points) (10 points)			
irrigation canals, ditches, and perennial and ephemeral watercourses.)	C.	24 0			
	0	(-0 points) 0			
	Ranking Score (Total Points)	0			
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	relationship to other equipment and tanks (2) Indicate	o dimendia no			
onsite offsite from If offsite, name of facility	(3) Attach a general description of remediate and	c disposal location:			
date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below	y ground surface	in taken including remediation start date and end			
diagram of sample locations and excavations.	tt. and attacent.	results. (5) Attach soil sample results and a			
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines \(\sqrt{3}\), a general permit \(\sqrt{1}\), or an (attached) alternative/OCD-approved plan \(\sqrt{1}\).					
Printed Name/Title_Joe T. Janica/ Agent Signature & Temus					
Your certification and NMOCD approval of this application is the second of the second					
otherwise endanger public health or the environment. Nor does it relieve the operator of his filtry should the contents of the pit or tank contaminate ground water or regulations.					
		;			
Approval: ORIGINAL SIGNED BY ORIGINAL SIGNED BY					
Printed AUG: Tale 7 2005 PAUL F. KAUTZ PRINTED PAUL F. KAUTZ PRINTED PAUL F. KAUTZ PAUL F. KAUTZ PAUL F. KAUTZ Signature Signature					
Printed AUG: Title 7 2005 PAUL F. KAUTE Signature Signature					
4. C. v. v.					