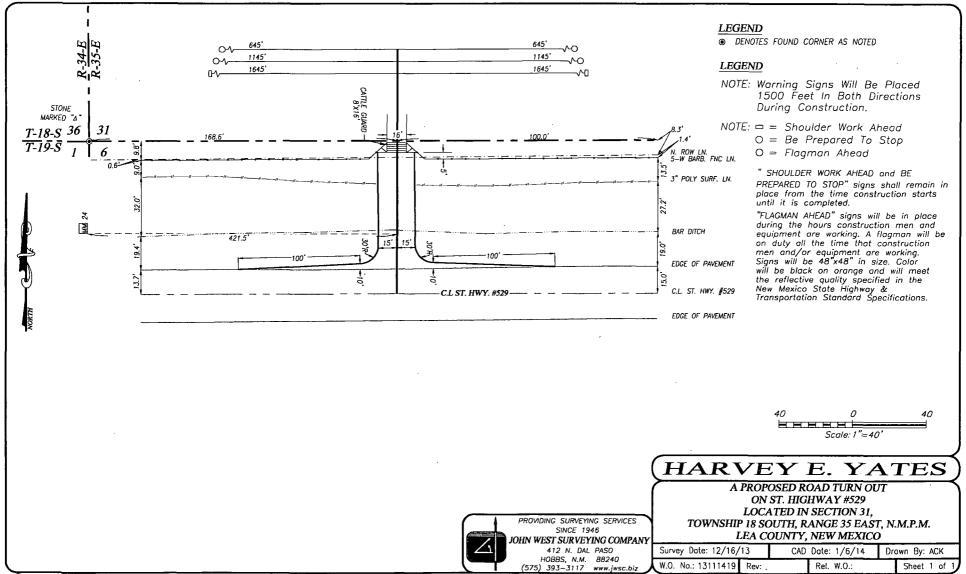
District I 1625 N. French D Phone: (575) 393-							of New M				Form C-101 Revised July 18, 2013		
District II 811 S. First St., A					nergy Minera	ls and Na	tural Reso	ources					
Phone: (575) 748- District III			HOB	BS OCD)	Oil Con	servation	Division		ΠA	MENDED REPORT		
1000 Rio Brazos I Phone: (505) 334-				05204		1220 Sou	ith St. Fra	ancis Dr.					
Phone: (505) 334-6178 Fax: (505) 334-6170 FEB 0 5 2(District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462					•	Santa	Fe, NM	87505					
Δ ΡΡΙ Ι	САТІО	N FOR	REC	EIVED MIT T	O DE	RILL, RE-EN	TER DI	CEPEN. I	PLUGBAC	K. OR AD	D A ZONE		
			¹ Oper	rator Name a	and Add	ress				OGRID Num 10179	iber		
				ARVEY E. P.O BOX	1933					3 API Number			
			RO	SWELL N.I	M 88202	2			30-	41678			
4 Prope	erty Code	n34x	ł			³ Property N AIRSTRIP 31 ST/	ame			Well No. 2H			
		1203	I		<u> </u>	^{7.} Surface Lo				1			
UL - Lot	SeCction	Township	—	Range	Lo	Idn Feet fro		/S Line	Feet From	E/W Line	County		
М	31	18 S		35 E		4 150'		OUTH	330'	WEST	LEA		
UL - Lot	Section	Township		Range		Proposed Bottor		/S Line	Feet From	E/W Line	County		
D	31	18 S		35 E		1 330'		ORTH	710'	WEST	LEA		
						^{9.} Pool Inform	nation				· · · · · · · · · · · · · · · · · · ·		
					A TE	Pool Name STRIP; BONE SPRING	3	Pool Code 960					
		<u></u>				dditional Well I					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
^{11.} Wo	rk Type		12.	Well Type	A	13. Cable/R	otary		Lease Type	^{15.} Ground Level Elevation			
	DRLG ultiple		17. Pro	OIL posed Depth		ROTAR ^{18.} Format		19.	STATE Contractor		3948' ^{20.} Spud Date		
	N .			80'/ MD 15,1		3rd BONE SPRING					5/15/14		
Depth to Grou	and water	60'		Dista	nce from	nearest fresh water	Well Distance to nearest surface water						
⊠We will b	e using a cl	losed-looj	p syster	m in lieu of	f lined j	pits							
•				21.	Propo	sed Casing and	Cement Pr	ogram					
Type Hole Size Casing Size						asing Weight/ft	Settin	g Depth	Sacks of	Cement	Estimated TOC		
SURF	17	1.5	· 13	3.375		48#	1	945	160	0	SURF		
INT	12	.25	9.	625		36#	3	840	110	0	SURF		
PROD	8.	75	· 4	5.5		17#	15	,185	270	0	2950		
						ent Program: A							
						55 csg and cmt back approx. 15,185. Run					5 cgs and cmt back to . Set DVtool @		
				22.	Propo	sed Blowout Pr	evention P	ogram					
					Pressure		Test Pressu	re	Manufacturer				
DOUBLE RAM 5000PSI							3000PSI						
							i			11			
^{23.} I hereby co best of my kn		ion give	n above is t	rue and	complete to the	OIL CONSERVATION DIVISION							
I further certify that have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable.							Approved By:						
19.15.14.9 (E Signature:		ir appli	çable.				приочен ву.						
/	Kojih Corr						Title: Petroleum Engineer						
Printed name							Approved Date: 02/26/14 Expiration Date: 12/26/16						
Title: Drilling E-mail Addre			erov co	m			Approved L	un. cm	-0//7 "	Apriation Date:	U-7-0/10		
man maure		~ ne yeuch	~, <u>,,</u> ,,,,,,,,,,				0						

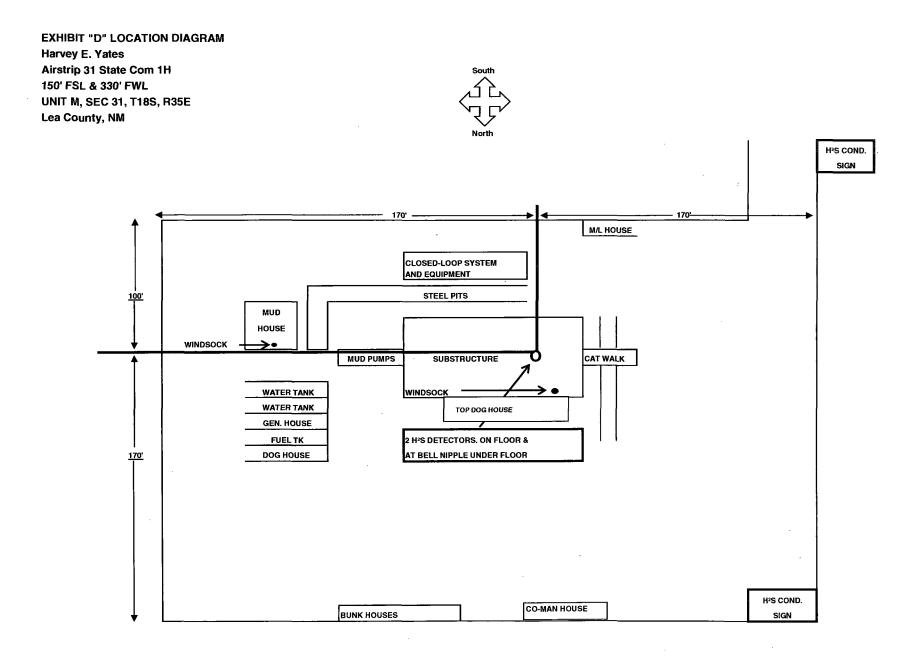
L-mail Address. Realmon encycocherg		
Date: 1-31-14/	Phone: 575. 623. 6401	Conditions of Approval Attached

FEB 2.7 2014 7



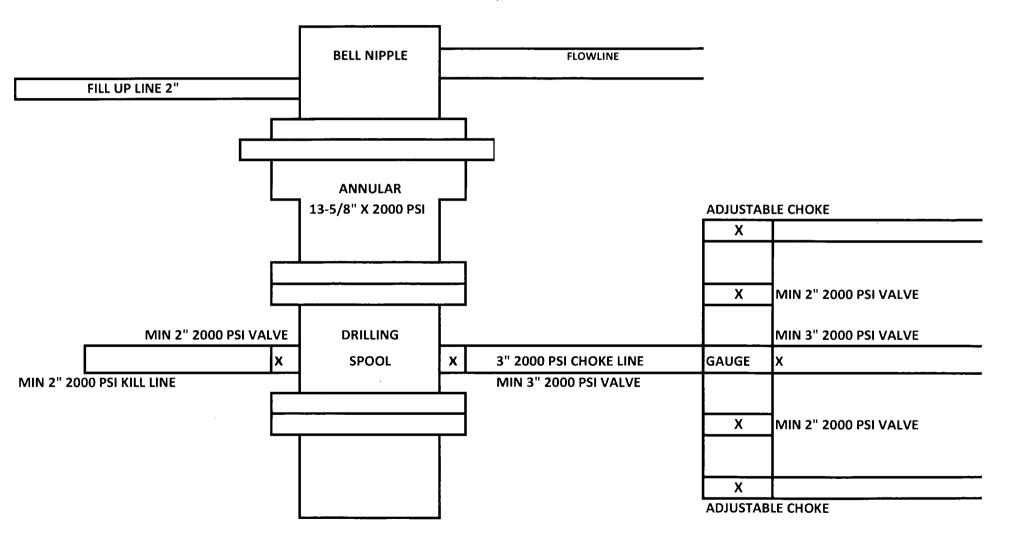
C Anjelica/2013/Nodel and Gussman Permian, LLC/Wells/N.M

				HEYCO						DATE				FOR GRA	PHING		
			HORIZOI	VTAL WORI	KSHEET					1/10/14	MD	VERT	TVD	ROB	+Ë/-W	+N/-S	S X-SECTIONAL VIEW N
											3840	0	-3840	0.0	0.01	-0.01	j
											4000	ō	-4000	0.0	0.478511		-1000 0 1000 2000 3000 4000 5000 6000
WELL NAME:			n #2H				COUNT	r: Lea			4500	-1	-4500	0.0	2.650726	-1.49143	-2000
SURFACE LOCATION:							STAT				5000	-2	-5000	0.0	5.386755		2000
SEC TOWNSHIP RANGE	31	18S	35E					a: Bone Sprin			5500	-2	-5500	0.0	8.642635		
	40540				•		MUM RO		DEG/100 FT		6000	-1	-6000	0.0	12.33263		-4000
TARGET DEPTH: TARGET ANGLE:		FT TVD @TD DEGREES					ATION DE		DEGREES		6500 7000	02	-6500 -7000	0.0 0.0	16.33141 20.47833	~1.1151	6
PLANNED HZ LENGTH:							LINATIO		DEGREES		7500	5	-7500	0.0		3.693045	-6000 0
PLANNED KOP:	10080						RTING P		DEGREES		8000	9	-8000	0.0		7.544745	í g
							,	т 1900	FEET		8500	-14	-8500	0.0	31.80938	12.36371	-8000 🍯
											9000	20	-9000	0.0	34.47975	18.09033	
				BEGINNING S	URVEY						9500	27	-9500	0:0		24.61455	-10000
											10000	34	-10000	0.0	37.08675		
COMPANY:	0					SURVEY TYPE:		()		10080	35	-10080	0.1	37,1657	32.97786	-12000
			DEPTH	FROM		FT					10180	45	-10179	9.1	37.77713		
				TO	O,	FT					10280	71	-10276	10.0	39.44298		
		MD	INCL	AZIMUTH	TVD	COORDINATE		VERT.SEC			10380 10480	113 170	-10366 -10448	10.0 10.0	42.17045 45.87217		
		(Ft)	(deg)	(deg)	(F1)	(N+/S-)	› (E+/W-)	VERT.SEC (Ft)			10480	241	-10445	10.0	45.87217 50.42335		
TIE IN POINT		3840.00	0.23	150.00	3839.99	-0.01	0.01	-0.01			10680	323	-10576	10.0	55.6957		6000 T
											10780	413	-10618	10.0		409.9683	
											10880	510	-10644	10.0		506.2367	5000
MEASURED	INCL	HOLE	COURSE		TOTAL	COORDINATE		CLOSURE		BUILD	10980	609	-10653	10.0	74,19046	605.523	4
DEPTH	ANGLE	AZIMUTH	LENGTH	T.V.D.	VERT.SEC	(N+/S-)	(E+/W-)	DISTANCE	SEVERITY	RATE	11250	879	-10648	0.7	91.5871		4000 - 🖗
(ft)	(degrees)	(degrees)	(10	(11)	(71)	m	(11)	(11)	(deg/100)	(deg/100)	11500 12000	1129 1629	-10639 -10622	0.0 0.0	107.7321 140.022		ļ ģ
4000.0	0.25	120.0	160.0	4000.0	-0.4	-0.5	0.5	0.7	0.1	0.0	12500	2128	-10604	0.0	172.2249		3000 🕂 🖣
4500.0	0.30	110.0	500.0	4500.0	-1.3	-1.5	2.7	3.0	0.0	0.0	13000	2628	-10587	0.0	204.4277		7
5000.0	0.35	100.0	500.0	5000.0	-1.9	-2.2	5.4	5.8	0.0	0.0	13500	3128	-10569	0.0	236.7177		2000 - 1
5500.0	0.40	90.0	500.0	5500.0	-1.9	-2.5	8.6	9.0	0.0	0.0	14000	3627	-10552	0.0	269.0076		Ĩ
6000.0 6500.0	0.45 0.50	80.0, 70.0	500.0 500.0	6000.0 6499.9	-1.4 -0.1	-2.2	12.3	12.5	0.0	0.0	14500	4127	-10534	0.0	301.2105		1000
6500.0	0.50	70.0	500,0	0499.9	-0.1	-1.1	16.3	16.4	0.0	0.0	15000	4627	-10517	0.0	333.4133	4614.8	
7000.0	0.55	60.0	500.0	6999.9	2.1	0.8	20.5	20.5	0.0	0,0	15185	4812	-10510	0.0	345.3606	4799.301	-3500 -2500 -1500 -500 500 3500 2500 3500
7500.0	0.60	50.0	500.0	7499.9	5.3	3.7	24.6	24.9	0.0	0.0					_		-1000
8000.0 8500.0	0.65 0.70	40.0 30.0	500.0 500.0	7999.9 8499.8	9.4	7.5	28.4	29.4	0.0	0.0		0	0		0	0	*1000
9000.0	0.75	20.0	500.0 500.0	8999.8	14.4 20.3	12.4 18,1	31,8 34,5	34.1 38.9	0.0 0.0	0.0		0	0		0	0	S
9500.0	0.80	10.0	500.0	9499.7	26.9	24.6	36.2	43.8	0.0	0.0		õ	ő		õ	ő	•
10000.0	0.85	3.7	500.0	9999.7	34.1	31.8	37.1	48.8	0.0	0.0		ō	ō		ō	ŏ	
10080.0	0.9	3.7	80.0	10079.7	35.3	33.0	37.2	49.7	.0.1	0.1		0	0		0	0	10200
10180.0	10.0	3.7	100.0	10179.1	44.8	42.4	37.8	56.8	9.1	9.1		0	0		0	0	-1000 0 1000 2000 3000 4000 5000 6000 -10250 1
10280.0	20.0	3.7	100.0	10275.6	70.6	68.2	39.4	78.8	10.0	10.0		0	0		0	0	-10300
10380.0 HEYCO	30.0	3.7	100.0	10366.1	112.9	110.4	42.2	118 1	10.0	10.0 DATE		0	0		0	0	
Airstrip 31 State Com #2H										1/10/14		ő	ő	•	0	Ő	-10350
												õ	ŏ		õ	õ	-10400 -
MEASURED	INCL	HOLE	COURSE		TOTAL	COORDINATE	3	CLOSURE		BUILD		0	0		0	0	-10450 +
DEPTH	ANGLE	AZIMUTH	LENGTH	T.V.D.	VERT.SEC	(N+/S-)	(E+/₩-)	DISTANCE	SEVERITY	RATE		0	0		0	0	-10500
(ft)	(degraes)	(degrees)	(11)	(11)	(ft)	(71)	(ft)	(巾)	(deg/100)	(deg/100)		0	0		0	0	
													-		-		
10480.0	40.0	3.7	100.0	10447.9	170.1	167.5	45.9	173.7	10.0	10.0		0	0		0	0	-10600
10580.0 10680.0	50.0 60.0	3.7 3.7	100.0 100.0	10518.5 10575.8	240.8 322.6	238.0 319.6	50.4 55.7	243.3 324.5	10.0 10.0	10.0 10.0		0	0		0	0 0	-10650
10780.0	70.0	3.7	100.0	10575.8	413.1	410.0	55.7 61.5	324.5 414.6	10.0	10.0		0	0		0	0	-10700
10880.0	80.0	3.7	100.0	10643.9	509.6	506.2	67.8	510.8	10.0	10.0		ŏ	ŏ		ő	ŏ	
10980.0	90.0	3.7	100.0	10652.6	609.0	605.5	74.2	610,1	10.0	10.0		0	ō		Ō	ō	
11250.0	92.0	3.7	270.0	10647,9	879.0	874.9	91.6	879.7	0.7	0.7		0	0		0	Ō	
11500.0	92.0	3.7	250.0	10639:1	1128.8	1124.2	107.7	1129.4	0.0	0.0		0	0		0	0	
12000.0 12500.0	92.0 92.0	3.7 3.7	500,0 500,0	10621.6 .10604.1	1628.5 2128.2	1622.9 2121.5	140.0	1628.9 2128.5	0.0 0.0	0.0 0.0		0	0		0	0	
12500.0	92.0 92.0	3.7	500.0	10586.6	2128.2 2627.9	2121.5 2620.2	172.2	2128.5 2628.2	0.0	0.0		0	0		0	0	
13500.0	92.0	3.7	500.0	10569.1	3127.6	3118.8	236.7	3127.8	0.0	0.0		ŏ	0		0	0	
14000.0	92.0	3.7	500.0	10551.6	3627.3	3617.5	269.0	3627.5	0.0	0.0		õ	ŏ		ő	ő	
14500.0	92.0	3.7	500.0	10534.1	4127.0	4116.1	301.2	4127.2	0.0	0.0		Ó	. Ū		ů	ō	
15000.0	92.0	3.7	500.0	10518.7	4626.7	4614.8	333.4	4626.8	0.0	0.0		0	0		0	0	
15185.0	92.0	3.7	185.0	10510.2	4811.6	4799.3	345.4	4811.7	0.0	0.0		0	0		0	0	
																-	



Well:Airstrp 31 State Com 2H150' FSL & 330' FWL, Sec 31, T18S, R35ELEA County New Mexico

Harvey E. Yates BOP Scematic 12.25" hole

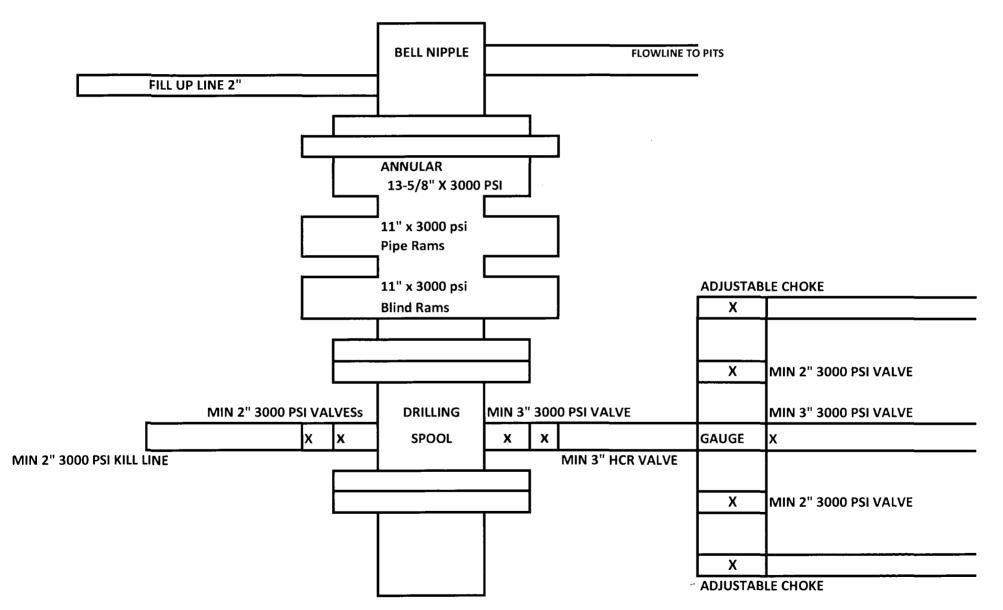


Well AIRSTRIP 31 STATE COM 2H

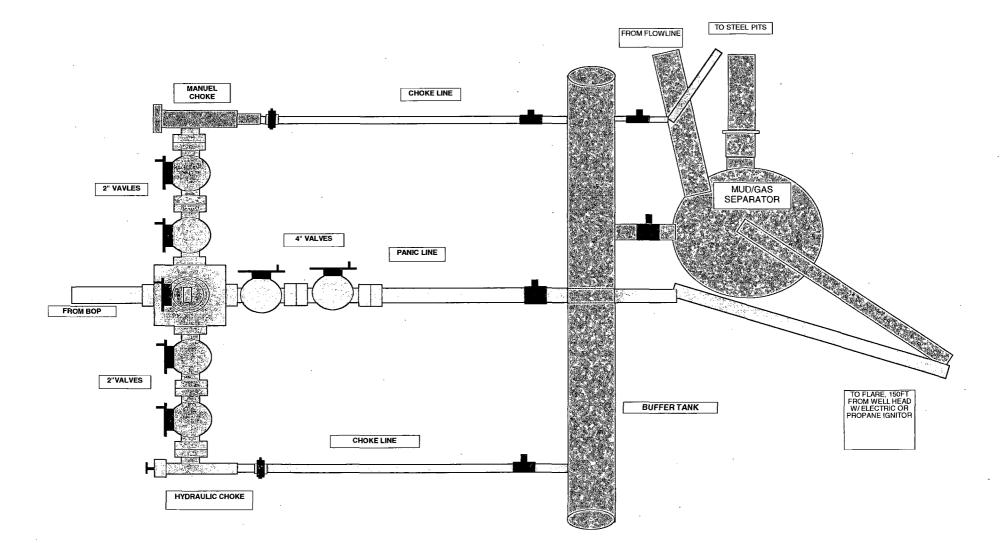
150' FSL, 330 FWL, Sec. 31, T18S, R35E

LEA County New Mexico

Harvey E. Yates BOP Scematic 8.75" hole







.

HARVEY E. YATES P.O. BOX 1936 ROSWELL N.M. 88202 (575) 623-6601 (Office) (575) 624-5321 (Fax)

1/31/2014

Mr. Paul Kautz District 1 Geologist New Mexico Oil and Gas Division 1625 N. French Drive Hobbs N.M 88240

Re: AIRSTRIP 31 STATE COM 2H 150' FSL & 330' FWL Unit Letter M, Sec. 31, T18S, R35E LEA, NM Rule 118 H2S Exposure

Dear MR Kautz

Harvey E. Yates, have evaluated this well and we do not expect to encounter hydrogen sulfide. However, we will employ a third party monitoring system. We will begin monitoring prior to drilling out the intermediate casing and will continue monitoring the remainder of the well.

Please contact me if you have any additional questions.

Sincere

Keith Cannon Drilling Superintendent

Hydrogen Sulfide Drilling Operations Plan Harvey E. Yates Airstrip 31 State Com 2H UNIT M, Sec 31, T18S, R35E 150' FSL & 330' FWL Lea Co. N.M.

- 1. Company and contract personnel admitted on location should be trained by a qualified H₂S safety instructor to the recognize and handle following:
 - A. Characteristics of H₂S gas
 - B. Physical effects and hazards
 - C. Proper use of safety equipment and life support systems
 - D. Principle and operation of H₂S detectors, warning system and briefing knowledge
 - E. Evacuation procedure, routes and first aid support
 - F. Proper use of 30 minutes Pressure-on-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 mud pit area (high enough to be visible)
 - B. Windsock at briefing area (high enough to be visible)
 - C. Windsock at location entrance
- 4. Condition Flags and Signs
 - A. H₂S warning signs on lease access road into location
 - B. Flags displayed on sign at location entrance
 - 1. Green flag indicates "Normal Safe Conditions"
 - 2. Yellow Flag indicates "Potential Pressure and Danger"
 - 3. Red Flag indicates "Danger H₂S Present in High Concentrations" admit only emergency personnel
- 5. Well Control Equipment
 - A. See Exhibit #5.
- 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 radios or cell phones used to communicate off location or minimally in Drilling Foreman's trailer or living quarters

7. Drillstem Testing

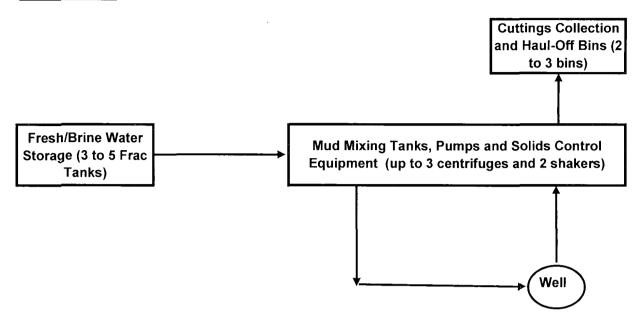
- A. Exhausts watered
- B. Flare line equipped with electric Igniter/propane pilot light in case gas reaches surface
- C. If location near dwelling closed DST will be performed
- 8. Drilling Supervisor required to be familiar with effects of H₂S on tubular goods/mechanical equipment
- 9. If H₂S encountered, mud system shall be addressed to maintain control of formation. A mud gas separator will be brought into service along with H₂S scavengers, if necessary.

<u>HARVEY E. YATES</u>		(575) 623-6601								
Company Personnel										
Lanny Overby	Prod. Enrineer	575-623-6601								
Keith Cannon	Drilling Supt.	575-317-5059 575-623-6601 575-626-1936								
ARTESIA N.M. Ambulance State Police City Police Sheriff's Office Fire Department N.M.O.C.D		911 575-746-5000 575-746-5000 575-746-9888 575-746-5050 or 575- 575-748-1283	-746-5051							
CARLSBAD N.M. Ambulance State Police City Police Sheriff's Office Fire Department Carlsbad BLM		911 575-885-3137 575-885-2111 575-887-7551 575-885-3125 or 575- 575-887-6544	-885-2111							
HOBBS N.M. Ambulance State Police City Police Sheriff's Office Fire Department N.M.O.C.D Hobbs BLM		911 575-392-5588 575-397-9265 575-396-3611 575-397-9308 575-393-6161 575-393-3612								
Flight for Life (Lubboo Aerocare (Lubbock T Med flight air Ambular SB air Med Services (x) nce (Albuq NM)	806-743-9911 806-747-8923 505-842-4433 505-842-4949								
Boots & Coots IWC Cudd Pressure Contre BJ Services	ol (Artesia NM) (Hobbs NM)	800-256-9688 or 281-931-8884 915-699-0139 or 915-563-3356 575-746-3569 575-392-5556								
New Mexico Emerger 24 Hour	ncy Response Commis	sion (Santa Fe)	505-476-9600 505-827-9126							
	nergency Operations C	enter	505-476-9635							

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CLOSED-LOOP SYSTEM

Design Plan:



Operating and Maintenance Plan:

During drilling operations, third party service companies will utilize solids control equipment to remove cuttings from the drilling fluid and collect it in haul-off bins. Equipment will be closely monitored at all times while drilling by the derrick man and the service company employees.

Closure Plan:

During drilling operations, third party service companies will haul-off drill solids and fluids to an approved disposal facility. At the end of the well, all closed loop equipment will be removed from the location.