NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 26 2017

RECEIVED

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983) Turkey Track 4-3 State Turkey Track 4-3 State 21H

WB00

Plan: Permitting Plan

Standard Planning Report

13 July, 2017



Oxy Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	PRD NM Turkey Tr	ack 4-3 State ack 4-3 State 21	PLANS (NAD 1983)	Local Co-ordinate Reference: MD Reference: North Reference: Suffyy Calculation Method: Well Turkey Track 4-3 State 21H Datum @ 3436.40ft Datum @ 3436.40ft Grid Minimum Curvature					
Project Project	PRD NM E	DIRECTIONAL P	_ANS (NAD 1983)	antronen die statute für den state state state state ander state state ander state state ander state state and	NAMES AND A CONSTRUCTION OF A CONS	an and a stand of the state of	Normatheomology and a second	naderna, resultation de la constitue de la cons La constitue de la constitue de	Adversion of the restriction of the second sec
Map System: Geo Datum: Map Zone:		ane 1983 ican Datum 1983 e Eastern Zone		System Date	.m :		Sea Level geodetic scale	e factor	
Site State	Turkey Tra	ick 4-3 State					an an ann an	andra in fall diff of a gamma fall	ana ang ang ang ang ang ang ang ang ang
Site Position: From: Position Uncertaint	Мар у:	0.00 ft	Northing: Easting: Slot Radius:	617,28		ude: gitude: Convergen	Ce:		32° 41' 38.545006 N 104° 5' 11.216080 W 0.13 °
Well	Turkey Tra	ck 4-3 State 21H	anna a staine in air an						2
Well Position	+N/-S +E/-W	0.00 ft 0.00 ft			616,311.49 usft 617,286.73 usft	Latitud Longitu			32° 41' 38.545006 N 104° 5' 11.216080 W
Position Uncertaint	У	0.00 ft	Wellhead Eleva	tion:	0.00 ft	Ground	i Level:		3,409.90 ft
Wellbore	WB00	TATION IN THE PARTY INTERPARTY IN THE PARTY INTERPARTY IN THE PARTY INTERPARTY I	ar na an su a thu a su a su a su an						
Magretics	Model	Name HDGM	Sample Date 7/13/2017	Declinat (7)	on 7.55	Dip Angle (*)	60.53	Field Si (n	
Design	Permitting	Plan	an a		ala a' . Tanàna (Tanàna mandri Kita anang ma	AND THE LOCAL PARTY AND THE SECOND	and a subsection of a subsection of a subsection of a subsection of the subsection of a subsec	alle gales (Sherre ter, suit	ا المحمد المحمد الم
Audit Notes:	and the second	anna an an ann ann ann an ann an ann an	24 / 27 COMPANY ON PROVINSI AND THE OPENING THE OPENING STREET	an a	and de un and de de la constant de La constant de la const	Tomogofic Cross Conversion	to fill af a ball fill a sugaritation for	22, 19,20,41,42,94,24,29,91,1,24	weigen Bruckell geriefen weiststeren Charteryn ger
Version:			Phase: P	ROTOTYPE	Tie On I	Depth:	0.	00	
Vertical Section:		And States	rom (TVD) (ft) 0.00	+N/-S (ft) 0.00	+E/-W (t) 0.00		Direc (*) 85.9		
Plan Sections		Veri Amuth De (*) - (f	oth +N/Se	ана на 2246 (12)	Rate (*/100ft) (*/	late 100ft) (*	Turn Rate /100m): 14	TFO (P)	Targeti
0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00	0.00	
1,670.00 2,170.09	0.00 10.00		67.55 0.00 67.55 35.70	0.00 -24.93	0.00 2.00	0.00 2.00	0.00 0.00	0.00 325.08	
6,887.72	10.00		313.49 707.49	-494.01	0.00	0.00	0.00	0.00	
7,387.81	0.00		743.18	-518.93	2.00	-2.00	0.00		rT_4-3_State_21H_
8,284.81 18,039.72	89.70 89.79		383.99 740.88 927.00 701.36	51.02 9,805.76	10.00 0.00	10.00	0.00	90.23 0.00 1	FT_4-3_State_21H_

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Planning Report

Database: Company: Project: Sife: Wellbore: Design:	Turkey Track	ECTIONAL PL 4-3 State 4-3 State 21H	ANS (NAD 1983)	TYD B MD Re North	-o-ordinale Re Herence - Soronce - Corintino - se is- A chiculturo - M		Well Turkey Tr Datum @ 3436 Datum @ 3436 Grid Minimum Curv	5.40ft 5.40ft	21H
Planned Survey 22 Bar Monsund Drothe (n)	inclination (1)	Azimuth	Vertical Depth (II)	410-5., 201 (n)	4€^W (n)	Vartica); Saction (ft)	Dogleg Rate (1/100ft)	Build Rate (*/100tt)	Tüm: Rate (1/(100t)
0.00 100.00 200.00 300.00 400.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 100.00 200.00 300.00 400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
500.00 600.00 700.00 800.00 900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	500.00 600.00 700.00 800.00 900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
1,000.00 1,100.00 1,200.00 1,300.00 1,400.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	1,000.00 1,100.00 1,200.00 1,300.00 1,400.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
1,500.00 1,600.00 1,670.00 1,700.00	0.00 0.00 0.00 0.60	0.00 0.00 0.00 0.00 325.08	1,500.00 1,600.00 1,670.00 1,700.00	0.00 0.00 0.00 0.13	0.00 0.00 0.00 -0.09	0.00 0.00 0.00 -0.08	0.00 0.00 0.00 2.00	0.00 0.00 0.00 2.00	0.00 0.00 0.00 0.00
1,800.00 1,900.00 2,000.00 2,100.00 2,170.09	2.60 4.60 6.60 8.60 10.00	325.08 325.08 325.08 325.08 325.08 325.08	1,799.96 1,899.75 1,999.27 2,098.39 2,167.55	2.42 7.57 15.57 26.41 35.70	-1.69 -5.28 -10.87 -18.44 -24.93	-1.51 -4.73 -9.73 -16.51 -22.32	2.00 2.00 2.00 2.00 2.00	2.00 2.00 2.00 2.00 2.00	0.00 0.00 0.00 0.00 0.00
2,200.00 2,300.00 2,400.00 2,500.00 2,600.00	10.00 10.00 10.00 10.00 10.00	325.08 325.08 325.08 325.08 325.08 325.08	2,197.01 2,295.49 2,393.97 2,492.45 2,590.93	39.96 54.20 68.44 82.68 96.92	-27.90 -37.84 -47.79 -57.73 -67.67	-24.98 -33.88 -42.78 -51.68 -60.59	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
2,700.00 2,800.00 2,900.00 3,000.00 3,100.00	10.00 10.00 10.00 10.00 10.00	325.08 325.08 325.08 325.08 325.08 325.08	2,689.41 2,787.89 2,886.37 2,984.85 3,083.33	111.16 125.40 139.64 153.88 168.12	-77.62 -87.56 -97.50 -107.45 -117.39	-69.49 -78.39 -87.29 -96.19 -105.10	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
3,200.00 3,300.00 3,400.00 3,500.00 3,600.00	10.00 10.00 10.00 10.00 10.00 10.00	325.08 325.08 325.08 325.08 325.08 325.08	3,181.81 3,280.29 3,378.77 3,477.25 3,575.73	182.36 196.60 210.84 225.08	-127.33 -137.27 -147.22 -157.16 -167.10	-114.00 -122.90 -131.80 -140.70 -149.61	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
3,700.00 3,800.00 3,900.00 4,000.00	10.00 10.00 10.00 10.00	325.08 325.08 325.08 325.08	3,674.21 3,772.69 3,871.17 3,969.65	239.32 253.56 267.80 282.04 296.28	-177.05 -186.99 -196.93 -206.88	-158.51 -167.41 -176.31 -185.21	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
4,100.00 4,200.00 4,300.00 4,400.00 4,500.00	10.00 10.00 10.00 10.00 10.00	325.08 325.08 325.08 325.08 325.08 325.08	4,068.13 4,166.61 4,265.09 4,363.57 4,462.05	310.52 324.76 339.00 353.24 367.48	-216.82 -226.76 -236.71 -246.65 -256.59	-194.12 -203.02 -211.92 -220.82 -229.72	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
4,600.00 4,700.00 4,800.00 4,900.00	10.00 10.00 10.00 10.00	325.08 325.08 325.08 325.08	4,560.54 4,659.02 4,757.50 4,855.98	381.72 395.96 410.20 424.44	-266.54 -276.48 -286.42 -296.37	-238.63 -247.53 -256.43 -265.33	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
5,000.00 5,100.00	10.00 10.00	325.08 325.08	4,954.46 5,052.94	438.68 452.92	-306.31 -316.25	-274.24 -283.14	0.00	0.00 0.00	0.00

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Planning Report

Database: Simpanyi Project: Site: Nellbox: Design:	HOPSPP ENGINEERING PRD NM DIREC Turkey Track 4- Turkey Track 4- WB00 Permitting Plan	TVD R MD Re North	co-ordinate, Pc framedal (aranda) (diamenae) (diamenae) (diamenae)		Well Turkey Tra Datum @ 3436 Datum @ 3436 Grid Minimum Curva	.40ft .40ft			
Planned Survey Measured Depth (ft)	inclination? #/	Samuth (*)	Vertical Depth (ft)	IN/S (n)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (*/100R)/55/11 (Build Rate 7/100m	Tum Rate (1/100ft)
5,200.00	10.00	325.08	5,151.42	467.16	-326.20	-292.04	0.00	0.00	0.00
5,300.00	10.00	325.08	5,249.90	481.40	-336.14	-300.94	0.00	0.00	0.00
5,400.00	10.00	325.08	5,348.38	495.64	-346.08	-309.84	0.00	0.00	0.00
5,500.00	10.00	325,08	5,446.86	509.88	-356.03	-318.75	0.00	0.00	0.00
5,600.00	10.00	325.08	5,545.34	524.12	-365.97	-327.65	0.00	0.00	0.00
5,700.00	10.00	325.08	5,643.82	538.36	-375.91	-336.55	0.00	0.00	0.00
5,800.00	10.00	325.08	5,742.30	552.60	-385.85	-345.45	0.00	0.00	0.00
5,900.00	10.00	325.08	5,840.78	566.84	-395.80	-354.35	0.00	0.00	0.00
6,000.00 6,100.00	10.00	325.08 325.08	5,939.26	581.08	-405.74	-363.26	0.00	0.00	0.00
6,200.00	10.00 10.00	325.08	6,037.74 6,136.22	595.32 609.56	-415.68 -425.63	-372.16 -381.06	0.00 0.00	0.00 0.00	0.00 0.00
			6.234.70		-435.57				
6,300.00 6,400.00	10.00 10.00	325.08 325.08	6,333.18	623.80 638.04	-435.57 -445.51	-389.96 -398.86	0.00 0.00	0.00 0.00	0.00 0.00
6,500.00	10.00	325.08	6,431.66	652.28	-455.46	-407.77	0.00	0.00	0.00
6,600.00	10.00	325.08	6,530.14	666.52	-465.40	-416.67	0.00	0.00	0.00
6,700.00	10.00	325.08	6,628.62	680.76	-475.34	-425.57	0.00	0.00	0.00
6,800.00	10.00	325.08	6,727.10	695.00	-485.29	-434.47	0.00	0.00	0.00
6,887.72	10.00	325.08	6,813.49	707.49	-494.01	-442.28	0.00	0.00	0.00
6,900.00	9.76	325.08	6,825.58	709.21	-495.22	-443.36	2.00	-2.00	0.00
7,000.00	7.76	325.08	6,924,41	721.70	-503.93	-451.16	2.00	-2.00	0.00
7,100.00	5.76	325.08	7,023.71	731.34	-510.66	-457.19	2.00	-2.00	0.00
7,200.00	3.76	325.08	7,123.37	738.14	-515.41	-461.44	2.00	-2.00	0.00
7,300.00	1.76	325.08	7,223.24 7,311.04	742.08	-518.16	-463.91	2.00 2.00	-2.00 -2.00	0.00
7,387.81 7,400.00	0.00 1.22	90.23 90.23	7,311.04	743.18 743.18	-518.93 -518.81	-464.60 -464.47	10.00	-2.00	0.00 0.00
7,500.00	11.22	90.23	7,422.52	743.16	-507.99	-453.68	10.00	10.00	0.00
					-480.09				0.00
7,600.00 7,700.00	21.22 31.22	90.23 90.23	7,518.41 7,608.01	743.03 742.85	-480.09 -435.97	-425.86 -381.86	10.00 10.00	10.00 10.00	0.00
7,800.00	41.22	90.23	7,688,58	742.61	-376.95	-323.02	10.00	10.00	0.00
7,900.00	51.22	90.23	7,757.69	742.32	-304.85	-251.12	10.00	10.00	0.00
8,000.00	61.22	90.23	7,813.22	741.98	-221.84	-168.34	10.00	10.00	0.00
8,100.00	71.22	90.23	7,853.49	741.61	-130.44	-77.21	10.00	10.00	0.00
8,200.00	81.22	90.23	7,877.28	741.22	-33.45	19.51	10.00	10.00	0.00
8,284.81	89.70	90.23	7,883.99	740.88	51.02	103.74	10.00	10.00	0.00
8,300.00 8,400.00	89.70 89.70	90.23 90.23	7,884.07 7.884.59	740.81 740.41	66.21	118.89 218.60	0.00 0.00	0.00 0.00	0.00 / 0.00
					166.21				
8,500.00	89.70	90.23	7,885.11	740.00	266.20	318.32	0.00	0.00	0.00
8,600.00 8,700.00	89.70 89.70	90.23 90.23	7,885.63 7.886.15	739.60 739.19	366.20 466.20	418.03 517.74	0.00 0.00	0.00 0.00	0.00 0.00
8,800.00	89.70	90.23	7,886.67	738.79	466.20 566.20	617.46	0.00	0.00	0.00
8,900.00	89.71	90.23	7,887.18	738.38	666.20	717.17	0.00	0.00	0.00
9,000.00	89.71	90.23	7,887.69	737.98	766.19	816.89	0.00	0.00	0.00
9,100.00	89.71	90.23	7,888.20	737.57	866.19	916.60	0.00	0.00	0.00
9,200.00	89.71	90.23	7,888.71	737.17	966.19	1,016.32	0.00	0.00	0.00
9,300.00	89.71	90.23	7,889.22	736.76	1,066.19	1,116.03	0.00	0.00	0.00
9,400.00	89.71	90.23	7,889.72	736.36	1,166.19	1,215.74	0.00	0.00	0.00
9,500.00	89.71	90.23	7,890.23	735.95	1,266.18	1,315.46	0.00	0.00	0.00
9,600.00	89.71	90.23	7,890.73	735.55	1,366.18	1,415.17	0.00	0.00	0.00
9,700.00	89.71	90.23	7,891.23	735.14	1,466.18	1,514.89	0.00	0.00	0.00
9,800.00	89.71	90.23	7,891.73	734.74	1,566.18	1,614.60	0.00	0.00	0.00
9,900.00	89.72	90.23	7,892.23	734.33	1,666.17	1,714.32	0.00	0.00	0.00
10,000.00	89.72	90.23	7,892.72	733.93	1,766.17	1,814.03	0.00	0.00	0.00
10,100.00 10,200.00	89.72 89.72	90.23	7,893.22	733.52	1,866.17	1,913.74	0.00	0.00	0.00 0.00
10,200.00	09.12	90.23	7,893.71	733.12	1,966.17	2,013.46	0.00	0.00	0.00

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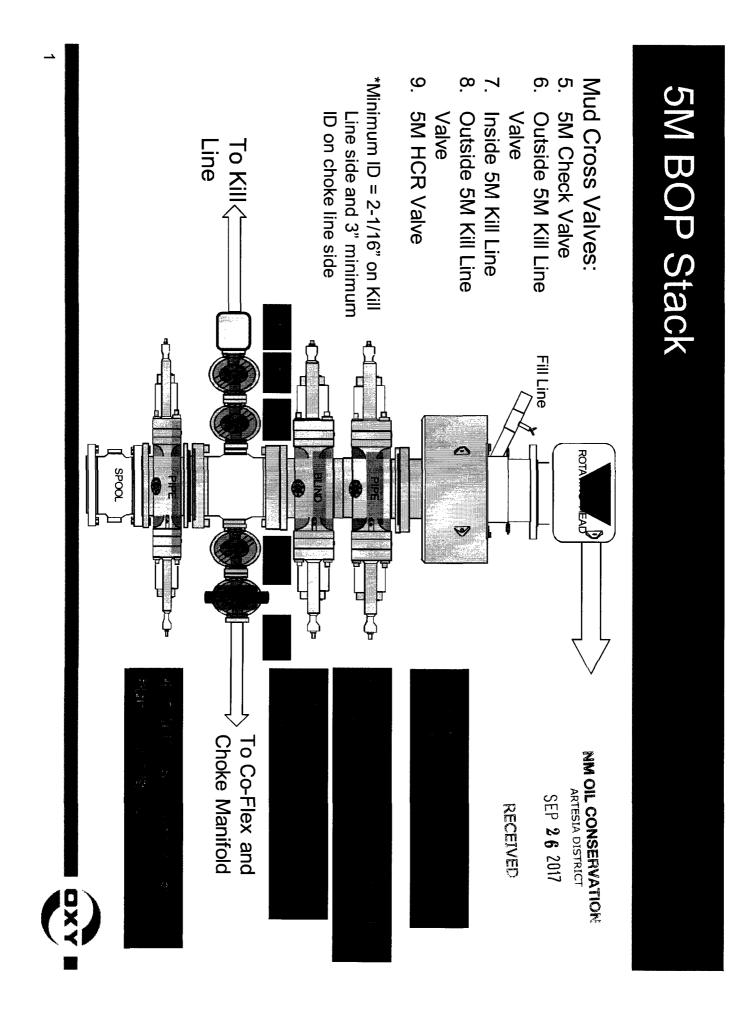
Database:	HOPSPP ENGINEERING I PRD NM DIREC ⁻ Turkey Track 4-3 Turkey Track 4-3 WB00 Permitting Plan	TIONAL PLA State	NS (NAD 1983)	TVD R MD Re North	Co-ord/nets El alerence: letrence: Reference: «Claculation)		Well Turkey Tra Datum @ 3436. Datum @ 3436. Grid Minimum Curva	40ft 40ft	H
Planned Survey									
Measured		a di kara. Ngangan	Vertical		demokratik de j	Vertical	Dogleg	Build	Tum
Depth	> 2 2 20 20 10 00 00 00 00 00 00 00 00 00 00 00 00	zimudh	er jolio assesse	NKS	+E/-W	Section:	Rate	Rate	Rate (*/100ft)
> (f)			(n) –	(11)	(ft)	(龍)	(*/100ft) ((/100ft)	(7100Л)
10,300.00 10,400.00	89.72 89.72	90.23 90.23	7,894.20 7,894.69	732.71 732.31	2,066.17 2,166.16	2,113.17 2,212.89	0.00 0.00	0.00 0.00	0.00 0.00
10,500.00	89.72	90.23	7,895.17	731.90	2,266.16	2,312.60	0.00	0.00	0.00
10,600.00 10,700.00	89.72 89.72	90.23 90.23	7,895.66 7,896.14	731.50 731.09	2,366.16 2,466.16	2,412.32 2,512.03	0.00 0.00	0.00 0.00	0.00 0.00
10,800.00	89.72	90.23	7,896.62	730.69	2,566.16	2,611.74	0.00	0.00	0.00
10,900.00	89.73	90.23	7,897.10	730.28	2,666.15	2,711.46	0.00	0.00	0.00
11,000.00	89.73	90.23	7,897.58	729.88	2,766.15	2,811.17	0.00	0.00	0.00
11,100.00 11,200.00	89.73 89.73	90.23 90.23	7,898.06 7,898.53	729.47 729.07	2,866.15 2.966.15	2,910.89 3,010.60	0.00 0.00	0.00 0.00	0.00 0.00
11,300.00	89.73	90.23	7,899.01	728.66	3,066.15	3,110.32	0.00	0.00	0.00
11,400.00	89.73	90.23	7,899.48	728.26	3,166.15	3,210.03	0.00	0.00	0.00
11,500.00	89.73	90.23	7,899.95	727.85	3,266.14	3,309.74	0.00	0.00	0.00
11,600.00	89.73	90.23	7,900.42	727.45	3,366.14	3,409.46	0.00	0.00	0.00
11,700.00 11,800.00	89.73 89.73	90.23 90.23	7,900.88 7,901.35	727.04 726.64	3,466.14 3,566.14	3,509.17 3,608.89	0.00 0.00	0.00 0.00	0.00 0.00
11,900.00	89.74	90.23	7,901.81	726.23	3,666.14	3,708.60	0.00	0.00	0.00
12,000.00	89.74	90.23	7,902.27	725.83	3,766.13	3,808.32	0.00	0.00	0.00
12,100.00	89.74	90.23	7,902.73	725.42	3,866.13	3,908.03	0.00	0.00	0.00
12,200.00 12,300.00	89.74 89.74	90.23 90.23	7,903.19 7,903.65	725.02 724.61	3,966.13 4,066.13	4,007.75 4,107.46	0.00 0.00	0.00 0.00	0.00 0.00
12,400.00	89.74	90.23	7,904.10	724.21	4,166.13	4,207.17	0.00	0.00	0.00
12,500.00	89.74	90.23	7,904.55	723.80	4,266.12	4,306.89	0.00	0.00	0.00
12,600.00	89.74	90.23	7,905.01	723.40	4,366.12	4,406.60	0.00	0.00	0.00
12,700.00	89.74	90.23	7,905.46	722.99	4,466.12	4,506.32 4,606.03	0.00 0.00	0.00 0.00	0.00 0.00
12,800.00 12,900.00	89.74 89.74	90.23 90.23	7,905.90 7,906.35	722.59 722.18	4,566.12 4,666.12	4,000.03	0.00	0.00	0.00
13,000.00	89.75	90.23	7,906.79	721.78	4,766.12	4,805.46	0.00	0.00	0.00
13,100.00	89.75	90.23	7,907.24	721.37	4,866.11	4,905.18	0.00	0.00	0.00
13,200.00	89.75	90.23	7,907.68	720.97	4,966.11	5,004.89	0.00	0.00	0.00
13,300.00 13,400.00	89.75 89.75	90.23 90.23	7,908.12 7,908.56	720.56 720.15	5,066.11 5,166.11	5,104.61 5,204.32	0.00 0.00	0.00 0.00	0.00 0.00
13,500.00	89.75	90.23	7,908.99	719.75	5,266.11	5,304.03	0.00	0.00	0.00
13,600.00	89.75	90.23	7,909.43	719.34	5,366.10	5,403.75	0.00	0.00	0.00
13,700.00	89.75	90.23	7,909.86	718.94	5,466.10	5,503.46	0.00	0.00	0.00 0.00
13,800.00 13,900.00	89.75 89.75	90.23 90.23	7,910.29 7,910.72	718.53 718.13	5,566.10 5,666.10	5,603.18 5,702.89	0.00 0.00	0.00 0.00	0.00
14,000.00	89.76	90.23	7,911.15	717.72	5,766.10	5,802.61	0.00	0.00	0.00
14,100.00	89.76	90.23	7,911.57	717.32	5,866.10	5,902.32	0.00	0.00	0.00
14,200.00	89.76	90.23	7,912.00	716.91	5,966.09	6,002.04	0.00	0.00	0.00 0.00
14,300.00 14,400.00	89.76 89.76	90.23 90.23	7,912.42 7,912.84	716.51 716.10	6,066.09 6,166.09	6,101.75 6,201.47	0.00 0.00	0.00 0.00	0.00
14,500.00	89.76	90.23	7,913.26	715.70	6,266.09	6,301.18	0.00	0.00	0.00
14,600.00	89.76	90.23	7,913.68	715.29	6,366.09	6,400.90	0.00	0.00	0.00
14,700.00	89.76	90.23	7,914.09	714.89	6,466.09	6,500.61	0.00	0.00	0.00
14,800.00 14,900.00	89.76 89.76	90.23 90.23	7,914.51 7,914.92	714.48 714.08	6,566.08 6,666.08	6,600.32 6,700.04	0.00 0.00	0.00 0.00	0.00 0.00
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15,000.00 15,100.00	89.77 89.77	90.23 90.23	7,915.33 7,915.74	713.67 713.27	6,766.08 6,866.08	6,799.75 6,899.47	0.00 0.00	0.00	0.00
15,200.00	89.77	90.23	7,916.14	712.86	6,966.08	6,999.18	0.00	0.00	0.00
15,300.00	89.77	90.23	7,916.55	712.46	7,066.08	7,098.90	0.00	0.00	0.00
15,400.00	89.77	90.23	7,916.95	712.05	7,166.07	7,198.61	0.00	0.00	0.00
15,500.00	89.77 89.77	90.23 90.23	7,917.36 7 917 76	711.65 711 24	7,266.07 7 366 07	7,298.33 7 398 04	0.00	0.00	0.00
15,600.00	89.77	90.23	7,917.76	711.24	7,366.07	7,398.04	0.00	0.00	0.00

Database: Cdmpany: Project: Site: Well: Wellbore: Dealgn:	HOPSPP ENGINEERING DESIGNS PRD NM DIRECTIONAL PLANS (NAD 1983) Turkey Track 4-3 State Turkey Track 4-3 State 21H WB00 Permitting Plan				Well Turkey Track 4-3 State 21H Datum @ 3436.40ft Datum @ 3436.40ft Grid Minimum Curvature				
Planned Strviny Measured Depth 18 (1)	instination	Antonia Selimptith (9)	Verileal (eaply (1))	19/3 10	+8/-W (ft)-w	Vertical Section	RAD -	Build: - Raja (1/100h)	Turn Rate (1/100ft)
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16,000.00 16,100.00 16,200.00 16,300.00 16,400.00	89.77 89.78 89.78 89.78 89.78 89.78	90.23 90.23 90.23 90.23 90.23 90.23	7,919.34 7,919.73 7,920.12 7,920.51 7,920.90	709.62 709.22 708.81 708.41 708.00	7,766.06 7,866.06 7,966.06 8,066.06 8,166.06	7,796.90 7,896.62 7,996.33 8,096.05 8,195.76	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
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17,500.00 17,600.00 17,700.00 17,800.00 17,800.00 17,900.00	89.79 89.79 89.79 89.79 89.79 89.79	90.23 90.23 90.23 90.23 90.23 90.23	7,925.04 7,925.41 7,925.77 7,926.14 7,926.50	703.55 703.14 702.74 702.33 701.93	9,266.04 9,366.04 9,466.04 9,566.04 9,666.04	9,292.62 9,392.34 9,492.05 9,591.77 9,691.48	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
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Oxy Planning Report

Design Targets				()					
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TT_4-3_State_21H_B - plan hits target center - Point	0.00	0.00	7,927.00	701.36	9,805.76	617,012.79	627,091.64 32° 41'	45.244119 N	104° 3' 16.455200

Plan Annotations	AND REPORT AND A SCIENCING OF A CONTRACTOR	and 225 download with all days and 2 to a submerial set.	La or a Theorem a standard and the standard standard of the standard standard standard standard standard standa	ALL DE LE
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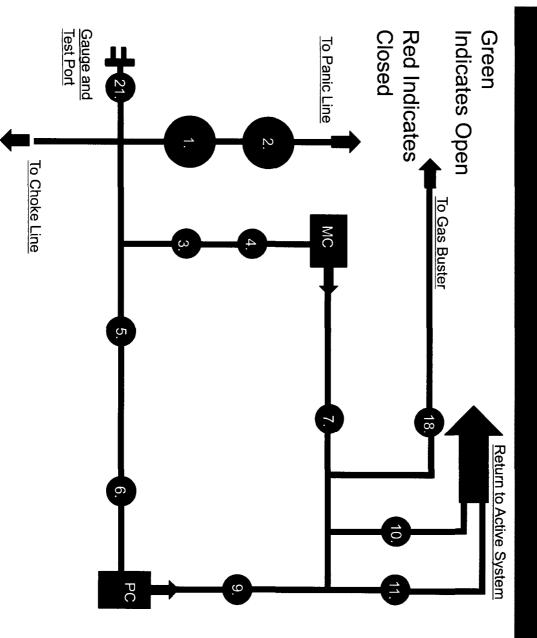


NM OIL CONSERVATION ARTESIA DISTRICT

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5M Choke Panel



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1. 4" Choke Manifold Valve

- 11. Choke Manifold Valve 12. MC – Manual Choke
- 18. Choke Manifold Valve

- 21. Vertical Choke Manifold
- *All Valves 3" minimum

- Valve

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ARTESIA DISTRICT

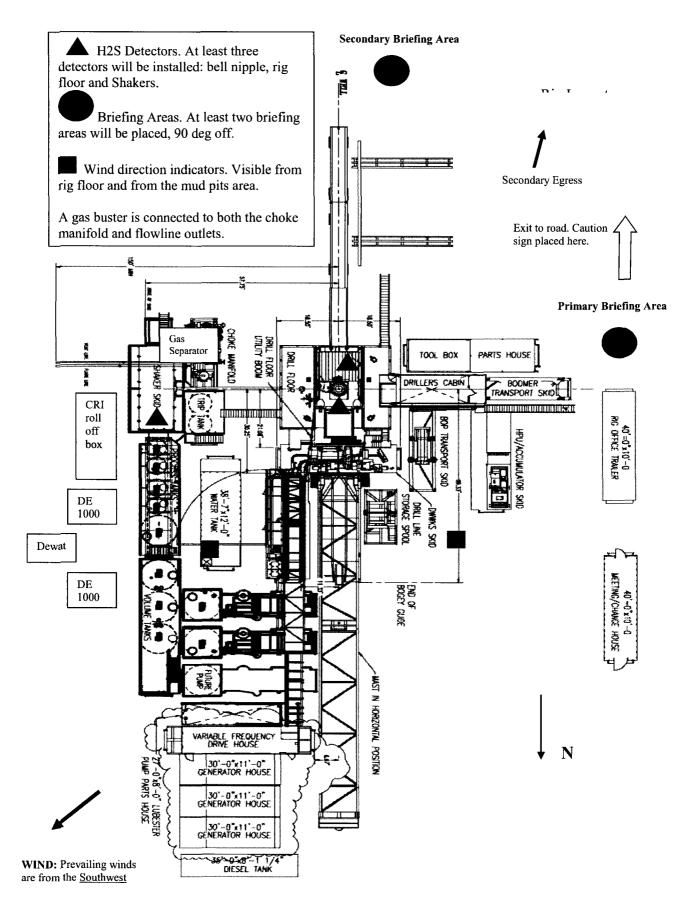
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Permian Drilling Hydrogen Sulfide Drilling Operations Plan Turkey Track 4-3 State 21H

Open drill site. No homes or buildings are near the proposed location.

1. Escape

Personnel shall escape upwind of wellbore in the event of an emergency gas release. Escape can take place through the lease road on the Southeast side of the location. Personnel need to move to a safe distance and block the entrance to location. If the primary route is not an option due to the wind direction, then a secondary egress route should be taken.





Permian Drilling Hydrogen Sulfide Drilling Operations Plan New Mexico

<u>Scope</u>

This contingency plan establishes guidelines for the public, all company employees, and contract employees who's work activities may involve exposure to hydrogen sulfide (H2S) gas.

While drilling this well, it is possible to encounter H2S bearing formations. At all times, the first barrier to control H2S emissions will be the drilling fluid, which will have a density high enough to control influx.

Objective

- 1. Provide an immediate and predetermined response plan to any condition when H2S is detected. All H2S detections in excess of 10 parts per million (ppm) concentration are considered an Emergency.
- 2. Prevent any and all accidents, and prevent the uncontrolled release of hydrogen sulfide into the atmosphere.
- 3. Provide proper evacuation procedures to cope with emergencies.
- 4. Provide immediate and adequate medical attention should an injury occur.

Discussion

Implementation:	This plan with all details is to be fully implemented before drilling to <u>commence</u> .
Emergency response Procedure:	This section outlines the conditions and denotes steps to be taken in the event of an emergency.
Emergency equipment Procedure:	This section outlines the safety and emergency equipment that will be required for the drilling of this well.
Training provisions:	This section outlines the training provisions that must be adhered to prior to drilling.
Drilling emergency call lists:	Included are the telephone numbers of all persons to be contacted should an emergency exist.
Briefing:	This section deals with the briefing of all people involved in the drilling operation.
Public safety:	Public safety personnel will be made aware of any potential evacuation and any additional support needed.
Check lists:	Status check lists and procedural check lists have been included to insure adherence to the plan.
General information:	A general information section has been included to supply support information.

Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on the well:

- 1. The hazards and characteristics of H2S.
- 2. Proper use and maintenance of personal protective equipment and life support systems.
- 3. H2S detection.
- 4. Proper use of H2S detectors, alarms, warning systems, briefing areas, evacuation procedures and prevailing winds.
- 5. Proper techniques for first aid and rescue procedures.
- 6. Physical effects of hydrogen sulfide on the human body.
- 7. Toxicity of hydrogen sulfide and sulfur dioxide.
- 8. Use of SCBA and supplied air equipment.
- 9. First aid and artificial respiration.
- 10. Emergency rescue.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H2S on metal components. If high tensile strength tubular is to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling a well, blowout prevention and well control procedures.
- 3. The contents and requirements of the H2S Drilling Operations Plan.

H2S training refresher must have been taken within one year prior to drilling the well. Specifics on the well to be drilled will be discussed during the pre-spud meeting. H2S and well control (choke) drills will be performed while drilling the well, at least on a weekly basis. This plan shall be available in the well site. All personnel will be required to carry the documentation proving that the H2S training has been taken.

Service company and visiting personnel

- A. Each service company that will be on this well will be notified if the zone contains H2S.
- B. Each service company must provide for the training and equipment of their employees before they arrive at the well site.
- C. Each service company will be expected to attend a well site briefing

Emergency Equipment Requirements

1. <u>Well control equipment</u>

The well shall have hydraulic BOP equipment for the anticipated pressures. Equipment is to be tested on installation and follow Oxy Well Control standard, as well as BLM Onshore Order #2.

Special control equipment:

- A. Hydraulic BOP equipment with remote control on ground. Remotely operated choke.
- B. Rotating head
- C. Gas buster equipment shall be installed before drilling out of surface pipe.
- 2. <u>Protective equipment for personnel</u>
 - A. Four (4) 30-minute positive pressure air packs (2 at each briefing area) on location.
 - B. Adequate fire extinguishers shall be located at strategic locations.
 - C. Radio / cell telephone communication will be available at the rig.
 - Rig floor and trailers.
 - Vehicle.
- 3. Hydrogen sulfide sensors and alarms
 - A. H2S sensor with alarms will be located on the rig floor, at the bell nipple, and at the flow line. These monitors will be set to alarm at 10 ppm with strobe light, and audible alarm.
 - B. Hand operated detectors with tubes.
 - C. H2S monitor tester (to be provided by contract Safety Company.)
 - D. There shall be one combustible gas detector on location at all times.
- 4. <u>Visual Warning Systems</u>
 - A. One sign located at each location entrance with the following language:

Caution – potential poison gas Hydrogen sulfide No admittance without authorization

Wind sock – wind streamers:

- A. One 36" (in length) wind sock located at protection center, at height visible from rig floor.
- B. One 36" (in length) wind sock located at height visible from pit areas.

Condition flags

A. One each condition flag to be displayed to denote conditions.

green – normal conditions yellow – potential danger red – danger, H2S present

B. Condition flag shall be posted at each location sign entrance.

5. <u>Mud Program</u>

The mud program is designed to minimize the risk of having H2S and other formation fluids at surface. Proper mud weight and safe drilling practices will be applied. H2S scavengers will be used to minimize the hazards while drilling. Below is a summary of the drilling program.

Mud inspection devices:

Garrett gas train or hatch tester for inspection of sulfide concentration in mud system.

6. <u>Metallurgy</u>

- A. Drill string, casing, tubing, wellhead, blowout preventers, drilling spools or adapters, kill lines, choke manifold, lines and valves shall be suitable for the H2S service.
- B. All the elastomers, packing, seals and ring gaskets shall be suitable for H2S service.
- 7. <u>Well Testing</u>

No drill stem test will be performed on this well.

8. <u>Evacuation plan</u>

Evacuation routes should be established prior to well spud for each well and discussed with all rig personnel.

- 9. <u>Designated area</u>
 - A. Parking and visitor area: all vehicles are to be parked at a predetermined safe distance from the wellhead.
 - B. There will be a designated smoking area.
 - C. Two briefing areas on either side of the location at the maximum allowable distance from the well bore so they offset prevailing winds perpendicularly, or at a 45-degree angle if wind direction tends to shift in the area.

Emergency procedures

- A. In the event of any evidence of H2S level above 10 ppm, take the following steps:
 - 1. The Driller will pick up off bottom, shut down the pumps, slow down the pipe rotation.
 - 2. Secure and don escape breathing equipment, report to the upwind designated safe briefing / muster area.
 - 3. All personnel on location will be accounted for and emergency search should begin for any missing, the Buddy System will be implemented.
 - 4. Order non-essential personnel to leave the well site, order all essential personnel out of the danger zone and upwind to the nearest designated safe briefing / muster area.
 - 5. Entrance to the location will be secured to a higher level than our usual "Meet and Greet" requirement, and the proper condition flag will be displayed at the entrance to the location.
 - 6. Take steps to determine if the H2S level can be corrected or suppressed and, if so, proceed as required.
- B. If uncontrollable conditions occur:
 - 1. Take steps to protect and/or remove any public in the down-wind area from the rig – partial evacuation and isolation. Notify necessary public safety personnel and appropriate regulatory entities (i.e. BLM) of the situation.

- 2. Remove all personnel to the nearest upwind designated safe briefing / muster area or off location.
- 3. Notify public safety personnel of safe briefing / muster area.
- 4. An assigned crew member will blockade the entrance to the location. No unauthorized personnel will be allowed entry to the location.
- 5. Proceed with best plan (at the time) to regain control of the well. Maintain tight security and safety procedures.

C. Responsibility:

- 1. Designated personnel.
 - a. Shall be responsible for the total implementation of this plan.
 - b. Shall be in complete command during any emergency.
 - c. Shall designate a back-up.

All personnel:	1.	On alarm, don escape unit and report to the nearest upwind designated safe briefing / muster area upw
	2.	Check status of personnel (buddy system).
	3.	Secure breathing equipment.
	4.	Await orders from supervisor.
Drill site manager:	1.	Don escape unit if necessary and report to nearest upwind designated safe briefing / muster area.
	2.	Coordinate preparations of individuals to return to point of release with tool pusher and driller (using the buddy system).
	3.	Determine H2S concentrations.
	4.	Assess situation and take control measures.
Tool pusher:	1.	Don escape unit Report to up nearest upwind designated safe briefing / muster area.
	2.	Coordinate preparation of individuals to return to point of release with tool pusher drill site manager (using the buddy system).
	3.	Determine H2S concentration.
	4.	Assess situation and take control measures.
Driller:	1.	Don escape unit, shut down pumps, continue

		rotating DP.
	2.	Check monitor for point of release.
	3.	Report to nearest upwind designated safe briefing / muster area.
	4.	Check status of personnel (in an attempt to rescue, use the buddy system).
	5.	Assigns least essential person to notify Drill Site Manager and tool pusher by quickest means in case of their absence.
	6.	Assumes the responsibilities of the Drill Site Manager and tool pusher until they arrive should they be absent.
Derrick man Floor man #1 Floor man #2	1.	Will remain in briefing / muster area until instructed by supervisor.
Mud engineer:	1.	Report to nearest upwind designated safe briefing / muster area.
	2.	When instructed, begin check of mud for ph and H2S level. (Garett gas train.)
Safety personnel:	1.	Mask up and check status of all personnel and secure operations as instructed by drill site manager.

<u>Taking a kick</u>

When taking a kick during an H2S emergency, all personnel will follow standard Well control procedures after reporting to briefing area and masking up.

Open-hole logging

All unnecessary personnel off floor. Drill Site Manager and safety personnel should monitor condition, advise status and determine need for use of air equipment.

Running casing or plugging

Following the same "tripping" procedure as above. Drill Site Manager and safety personnel should determine if all personnel have access to protective equipment.

Ignition procedures

The decision to ignite the well is the responsibility of the operator (Oxy Drilling Management). The decision should be made only as a last resort and in a situation where it is clear that:

- 1. Human life and property are endangered.
- 2. There is no hope controlling the blowout under the prevailing conditions at the well.

Instructions for igniting the well

- 1. Two people are required for the actual igniting operation. They must wear self-contained breathing units and have a safety rope attached. One man (tool pusher or safety engineer) will check the atmosphere for explosive gases with the gas monitor. The other man is responsible for igniting the well.
- 2. Primary method to ignite: 25 mm flare gun with range of approximately 500 feet.
- 3. Ignite upwind and do not approach any closer than is warranted.
- 4. Select the ignition site best for protection, and which offers an easy escape route.
- 5. Before firing, check for presence of combustible gas.
- 6. After lighting, continue emergency action and procedure as before.
- 7. All unassigned personnel will remain in briefing area until instructed by supervisor or directed by the Drill Site Manager.

<u>Remember</u>: After well is ignited, burning hydrogen sulfide will convert to sulfur dioxide, which is also highly toxic. **<u>Do not assume the area is safe after the well is ignited.</u>**

Status check list

Note: All items on this list must be completed before drilling to production casing point.

- 1. H2S sign at location entrance.
- 2. Two (2) wind socks located as required.
- 3. Four (4) 30-minute positive pressure air packs (2 at each Briefing area) on location for all rig personnel and mud loggers.
- 4. Air packs inspected and ready for use.
- 5. Cascade system and hose line hook-up as needed.
- 6. Cascade system for refilling air bottles as needed.
- 7. Condition flag on location and ready for use.
- 8. H2S detection system hooked up and tested.
- 9. H2S alarm system hooked up and tested.
- 10. Hand operated H2S detector with tubes on location.
- 11. 1 100' length of nylon rope on location.
- 12. All rig crew and supervisors trained as required.
- 13. All outside service contractors advised of potential H2S hazard on well.
- 14. No smoking sign posted and a designated smoking area identified.
- 15. Calibration of all H2S equipment shall be noted on the IADC report.

Checked by:_____ Date:_____

Procedural check list during H2S events

Perform each tour:

- 1. Check fire extinguishers to see that they have the proper charge.
- 2. Check breathing equipment to ensure that it in proper working order.
- 3. Make sure all the H2S detection system is operative.

Perform each week:

- 1. Check each piece of breathing equipment to make sure that demand or forced air regulator is working. This requires that the bottle be opened and the mask assembly be put on tight enough so that when you inhale, you receive air or feel air flow.
- 2. BOP skills (well control drills).
- 3. Check supply pressure on BOP accumulator stand by source.
- 4. Check breathing equipment mask assembly to see that straps are loosened and turned back, ready to put on.
- 5. Check pressure on breathing equipment air bottles to make sure they are charged to full volume. (Air quality checked for proper air grade "D" before bringing to location)
- 6. Confirm pressure on all supply air bottles.
- 7. Perform breathing equipment drills with on-site personnel.
- 8. Check the following supplies for availability.
 - A. Emergency telephone list.

.

B. Hand operated H2S detectors and tubes.

General evacuation plan

- 1. When the company approved supervisor (Drill Site Manager, consultant, rig pusher, or driller) determines the H2S gas cannot be limited to the well location and the public will be involved, he will activate the evacuation plan.
- 2. Drill Site Manager or designee will notify local government agency that a hazardous condition exists and evacuation needs to be implemented.
- 3. Company or contractor safety personnel that have been trained in the use of H2S detection equipment and self-contained breathing equipment will monitor H2S concentrations, wind directions, and area of exposure. They will delineate the outer perimeter of the hazardous gas area. Extension to the evacuation area will be determined from information gathered.
- 4. Law enforcement personnel (state police, police dept., fire dept., and sheriff's dept.) Will be called to aid in setting up and maintaining road blocks. Also, they will aid in evacuation of the public if necessary.
- 5. After the discharge of gas has been controlled, company safety personnel will determine when the area is safe for re-entry.

<u>Important:</u> Law enforcement personnel will not be asked to come into a contaminated area. Their assistance will be limited to uncontaminated areas. Constant radio contact will be maintained with them.

Emergency actions

<u>Well blowout – if emergency</u>

- 1. Evacuate all personnel to "Safe Briefing / Muster Areas" or off location if needed.
- 2. If sour gas evacuate rig personnel.
- 3. If sour gas evacuate public within 3000 ft radius of exposure.
- 4. Don SCBA and shut well in if possible using the buddy system.
- 5. Notify Drilling Superintendent and call 911 for emergency help (fire dept and ambulance) if needed.
- 6. Implement the Blowout Contingency Plan, and Drilling Emergency Action Plan.
- 6. Give first aid as needed.

Person down location/facility

- 1. If immediately possible, contact 911. Give location and wait for confirmation.
- 2. Don SCBA and perform rescue operation using buddy system.

Toxic effects of hydrogen sulfide

Hydrogen sulfide is extremely toxic. The acceptable ceiling concentration for eight-hour exposure is 10 ppm, which is .001% by volume. Hydrogen sulfide is heavier than air (specific gravity -1.192) and colorless. It forms an explosive mixture with air between 4.3 and 46.0 percent by volume. Hydrogen sulfide is almost as toxic as hydrogen cyanide and is between five and six times more toxic than carbon monoxide. Toxicity data for hydrogen sulfide and various other gases are compared in table i. Physical effects at various hydrogen sulfide exposure levels are shown in table ii.

Common name	Chemical formula	Specific gravity (sc=1)	Threshold limit (1)	Hazardous limit (2)	Lethal concentration (3)
Hydrogen Cyanide	Hen	0.94	10 ppm	150 ppm/hr	300 ppm
Hydrogen Sulfide	H2S	1.18	10 ppm	250 ppm/hr	600 ppm
Sulfur Dioxide	So2	2.21	5 ppm	-	1000 ppm
Chlorine	Cl2	2.45	1 ppm	4 ppm/hr	1000 ppm
Carbon Monoxide	Co	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	Co2	1.52	5000 ppm	5%	10%
Methane	Ch4	0.55	90,000 ppm	Combustibl	e above 5% in air

Table iToxicity of various gases

- 1) threshold limit concentration at which it is believed that all workers may be repeatedly exposed day after day without adverse effects.
- 2) hazardous limit concentration that will cause death with short-term exposure.
- 3) lethal concentration concentration that will cause death with short-term exposure.

Toxic effects of hydrogen sulfide

Table ii Physical effects of hydrogen sulfide

		Concentration	Physical effects
Percent (%)	<u>Ppm</u>	Grains	
	-	<u>100 std. Ft3*</u>	
0.001	<10	00.65	Obvious and unpleasant odor.

0.010 100 06.48 Kill smell in 3 – 15 minu and throat.	ites. May sting eyes
0.020 200 12.96 Kills smell shortly; stings	eyes and throat.
0.050 500 32.96 Dizziness; breathing ceas needs prompt artificial res	
0.070 700 45.36 Unconscious quickly; dearescued promptly.	
0.100 1000 64.30 Unconscious at once; follominutes.	owed by death within

*at 15.00 psia and 60'f.

Use of self-contained breathing equipment (SCBA)

- 1. Written procedures shall be prepared covering safe use of SCBA's in dangerous atmosphere, which might be encountered in normal operations or in emergencies. Personnel shall be familiar with these procedures and the available SCBA.
- 2 SCBA's shall be inspected frequently at random to insure that they are properly used, cleaned, and maintained.
- 3. Anyone who may use the SCBA's shall be trained in how to insure proper facepiece to face seal. They shall wear SCBA's in normal air and then wear them in a test atmosphere. (note: such items as facial hair {beard or sideburns} and eyeglasses will not allow proper seal.) Anyone that may be reasonably expected to wear SCBA's should have these items removed before entering a toxic atmosphere. A special mask must be obtained for anyone who must wear eyeglasses or contact lenses.
- 4. Maintenance and care of SCBA's:
 - a. A program for maintenance and care of SCBA's shall include the following:
 - 1. Inspection for defects, including leak checks.
 - 2. Cleaning and disinfecting.
 - 3. Repair.
 - 4. Storage.
 - b. Inspection, self-contained breathing apparatus for emergency use shall be inspected monthly.
 - 1. Fully charged cylinders.
 - 2. Regulator and warning device operation.
 - 3. Condition of face piece and connections.
 - 4. Rubber parts shall be maintained to keep them pliable and prevent deterioration.
 - c. Routinely used SCBA's shall be collected, cleaned and disinfected as frequently as necessary to insure proper protection is provided.
- 5. Persons assigned tasks that requires use of self-contained breathing equipment shall be certified physically fit (medically cleared) for breathing equipment usage at least annually.
- 6. SCBA's should be worn when:
 - A. Any employee works near the top or on top of any tank unless test reveals less than 10 ppm of H2S.

- B. When breaking out any line where H2S can reasonably be expected.
- C. When sampling air in areas to determine if toxic concentrations of H2S exists.
- D. When working in areas where over 10 ppm H2S has been detected.
- E. At any time there is a doubt as to the H2S level in the area to be entered.

Rescue First aid for H2S poisoning

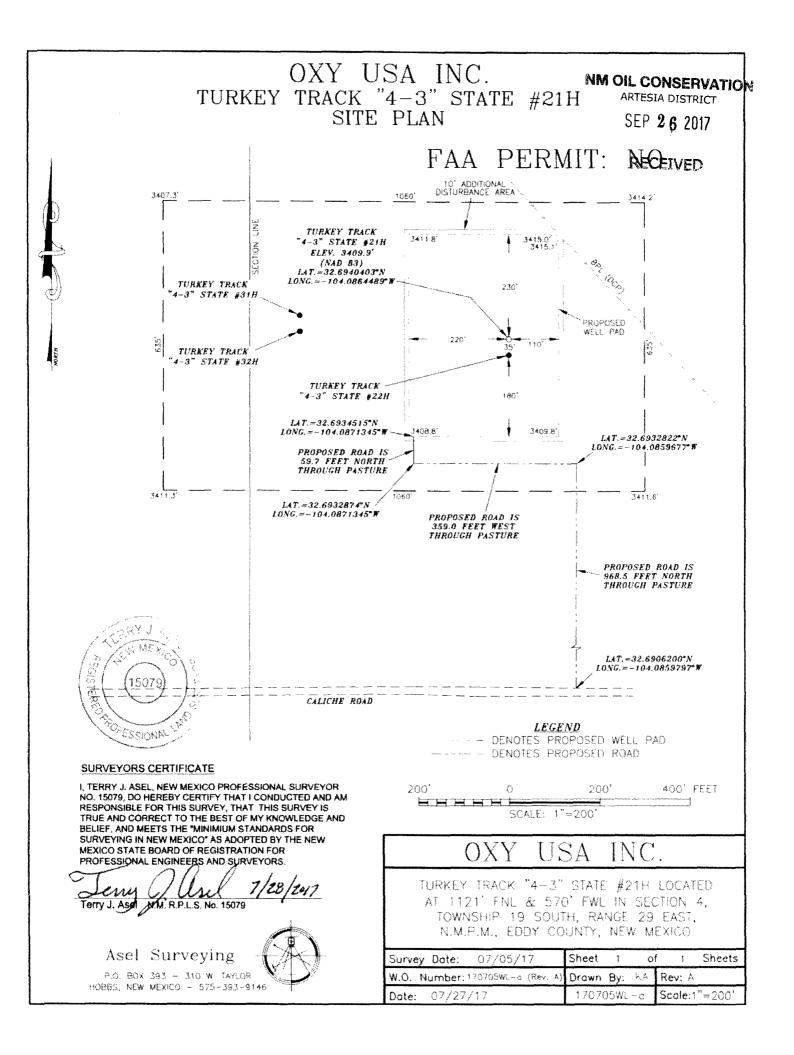
Do not panic!

Remain calm – think!

- 1. Don SCBA breathing equipment.
- 2. Remove victim(s) utilizing buddy system to fresh air as quickly as possible. (go up-wind from source or at right angle to the wind. Not down wind.)
- 3. Briefly apply chest pressure arm lift method of artificial respiration to clean the victim's lungs and to avoid inhaling any toxic gas directly from the victim's lungs.
- 4. Provide for prompt transportation to the hospital, and continue giving artificial respiration if needed.
- 5. Hospital(s) or medical facilities need to be informed, before-hand, of the possibility of H2S gas poisoning no matter how remote the possibility is.
- 6. Notify emergency room personnel that the victim(s) has been exposed to H2S gas.

Besides basic first aid, everyone on location should have a good working knowledge of artificial respiration.

Revised CM 6/27/2012

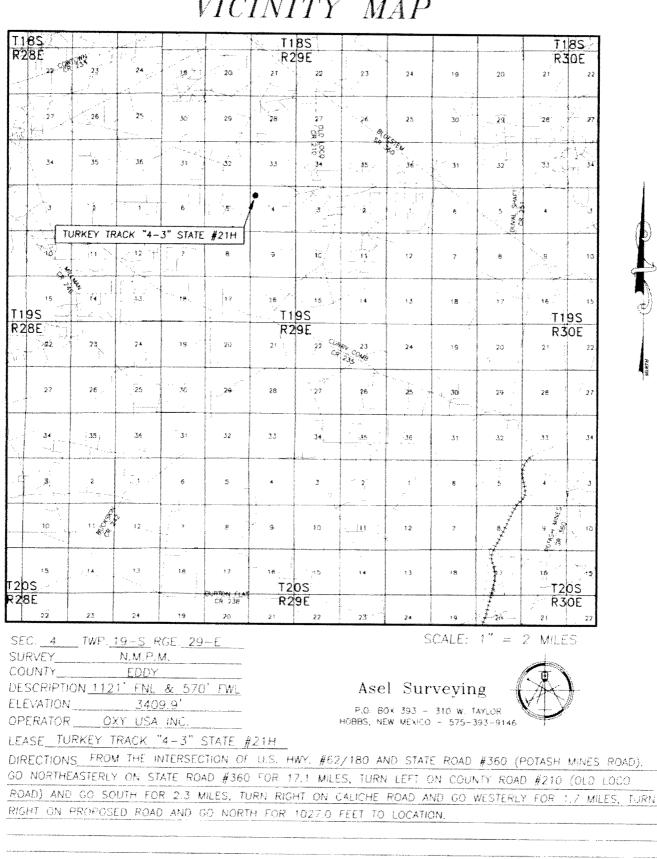


NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 26 2017

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VICINITY MAP

OXY USA Inc APD ATTACHMENT: SPUDDER RIG DATA

NM OIL CONSERVATION

ARTESIA DISTRICT

OPERATOR NAME / NUMBER: <u>OXY USA Inc</u>

SEP 26 2017

1. SUMMARY OF REQUEST:

Oxy USA respectfully requests approval for the following operations for the surface hole in the drill plan:

1. Utilize a spudder rig to pre-set surface casing for time and cost savings.

2. Description of Operations

- 1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
 - **a.** After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
 - **b.** The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
- 2. The wellhead will be installed and tested as soon as the surface casing is cut off and the WOC time has been reached.
- **3.** A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wingvalves.
 - **a.** A means for intervention will be maintained while the drilling rig is not over the well.
- 4. Spudder rig operations are expected to take 2-3 days per well on the pad.
- 5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 6. Drilling operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
 - **a.** The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
 - **b.** The BLM will be contacted / notified 24 hours before the larger rig moves back on the pre-set locations.
- 7. Oxy will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
- 8. Once the rig is removed, Oxy will secure the wellhead area by placing a guard rail around the cellar area.

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