District I
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-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
Edge Petroleum Operating Company 1301 Travis, Suite 2000 Houston, TX 77002	224400
	[3] API Number 30 - 025-34590

[3] Property Code	[5] Property Name	[6] Well No.
36729	Prairie Fire State	01

[9] Proposed Pool 1	[10] Proposed Pool 2
Osudo ~~West~~ Morrow West (GAS)	

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
7	2	21S	34E		1980	North	1650	East	Lea

[8] Proposed 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
1	2	21S	34E		660	North	660	East	Lea

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
~~R~~ E	Gas		State	3923.14'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
N	14,100'	Morrow		10-1-2007

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water

Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 28,500 bbls
Closed-Loop System ☐

Drilling Method:
Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
8 ¾"	7"	26# 12000'	12,000'	850	0
6 1/8"	4 ½"	11.6# 2100'	14,100'	250	11,700'
6 1/8"	4 ½"	11.6# 2400'	14,100'	250	0

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This is a directional Re-Entry. The original well was plugged in the 9 5/8" casing to a depth of 5845'. Said well is planned to drill vertical thru the cased hole plugs and the KOP for directional drilling will be below the 9 5/8" shoe at 5900'. At 10,798' vertical drilling will resume to TD.

From the 9 5/8" casing in the hole the casing will be 7", 26 ppf, P-110, LT&C, set depth is 12,000', drilled w/ Fresh water or cut brine, Mud wt. from 0-5500' is 8.3-8.5, vis. 28, pH 10.0, FL-N/C, mud wt. from 9500'-12000' will be 9.0-9.8, vis. 28, ph 10.0, FL-N/C, Lead slurry : 200 sx 35:65 Poz Class H cmt. + 5% D44 + 10% D20 + 0.2% D65 + 0.25 pps D29 + 3 pps D42 + 0.4% D165 + 0.2% D46, yield-2.25 cu.ft./sk. Tail slurry: 650 sx 50:50 Poz Class H cmt. + 2% D20 + 0.2% D65 + 0.3% D167 + 3% D174 + 0.25 pps D29 + 3 pps D42, yield 1.33 cu.ft./sk. 4 ½" casing 11.6 ppf, P-110, LT&C, set depth is 14100', drilled w/ Brine water, Mud wt. 12.0-12.2 (as required per formation pressure), vis. 40-46, pH 10.0, FL- 8-6cc, Cement slurry: 250 sx 50:50 Poz Class H cmt. + 2% D20 + 3% D174 + 0.05% M045 + 1.6 gps D600G + 0.08% gps D801 + 3 pps D42, yield- 1.33 cu.ft./sk.

A double ram 5000 psi Weatherford BOP will be used and tested to 5000 psi.

Re-Entry

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Signature: Angela Lightner

Printed name: Angela Lightner

Title: Consultant

E-mail Address: angela@rkford.com

Date: 9-12-2007 Phone: 432/682/0440

OIL CONSERVATION DIVISION

Approved by: Chris Williams

Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date: SEP 18 2007 Expiration Date:

Conditions of Approval Attached ☐

State of New Mexico

Energy, Minerals and Natural Resources Department

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

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

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-025-34590	88240	Osudo West Morrow

Property Code	Property Name	Well Number
36729	PRAIRIE FIRE STATE	1

OGRID No.	Operator Name	Elevation
224400	EDGE PETROLEUM OPERATING CO.	3714'

Surface Location

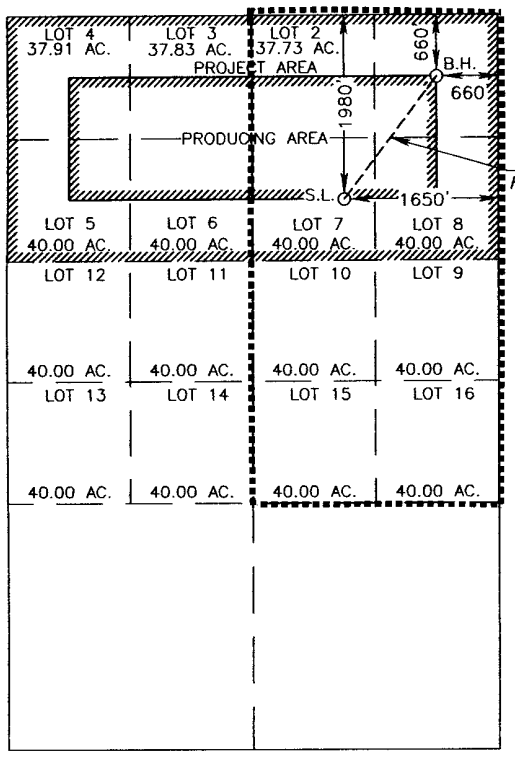
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
7	2	21-S	34-E		1980	NORTH	1650	EAST	LEA

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
1	2	21-S	34-E		660	NORTH	660	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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



SCALE- 1"=2000

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=552882.2 N
X=776310.9 E

LAT.=32.516789° N
LONG.=103.436944° W

BOTTOM HOLE LOCATION
Y=554210.9 N
X=777288.9 E

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Angela Lightner 1-31-07
Signature Date

Angela Lightner
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

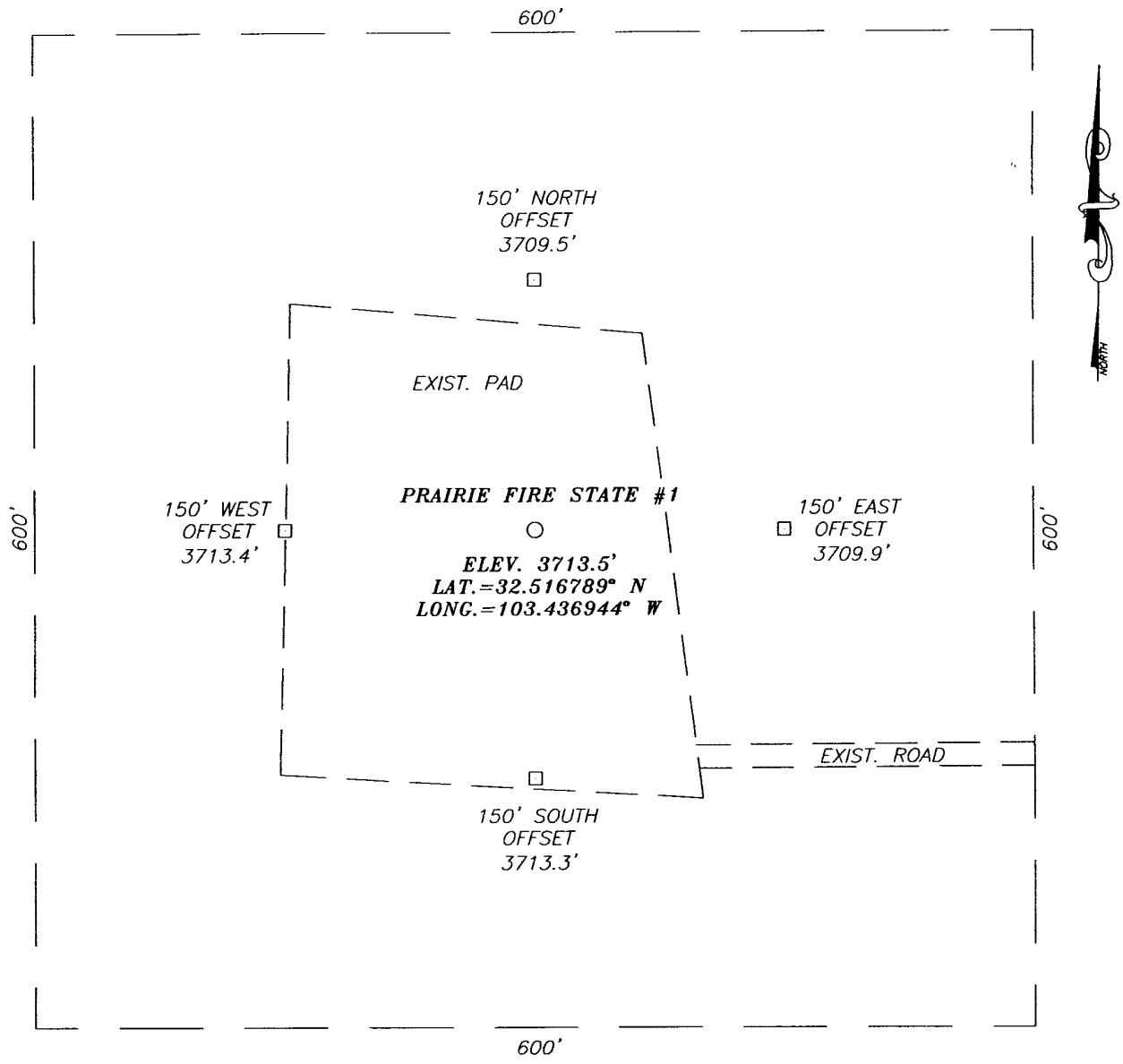
JULY 12, 2007
Date Surveyed AR

Signature & Seal of Professional Surveyor
RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR
7/24/07

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 34 EAST, N.M.P.M.,

LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. 176 AND CO. RD. E-35 (SIMS RD.), GO NORTH ON CO. RD. E-35 APPROX. 2 MILES. TURN LEFT AND GO WEST APPROX. 0.2 MILES TO THIS LOCATION.

100 0 100 200 Feet

Scale: 1"=100'

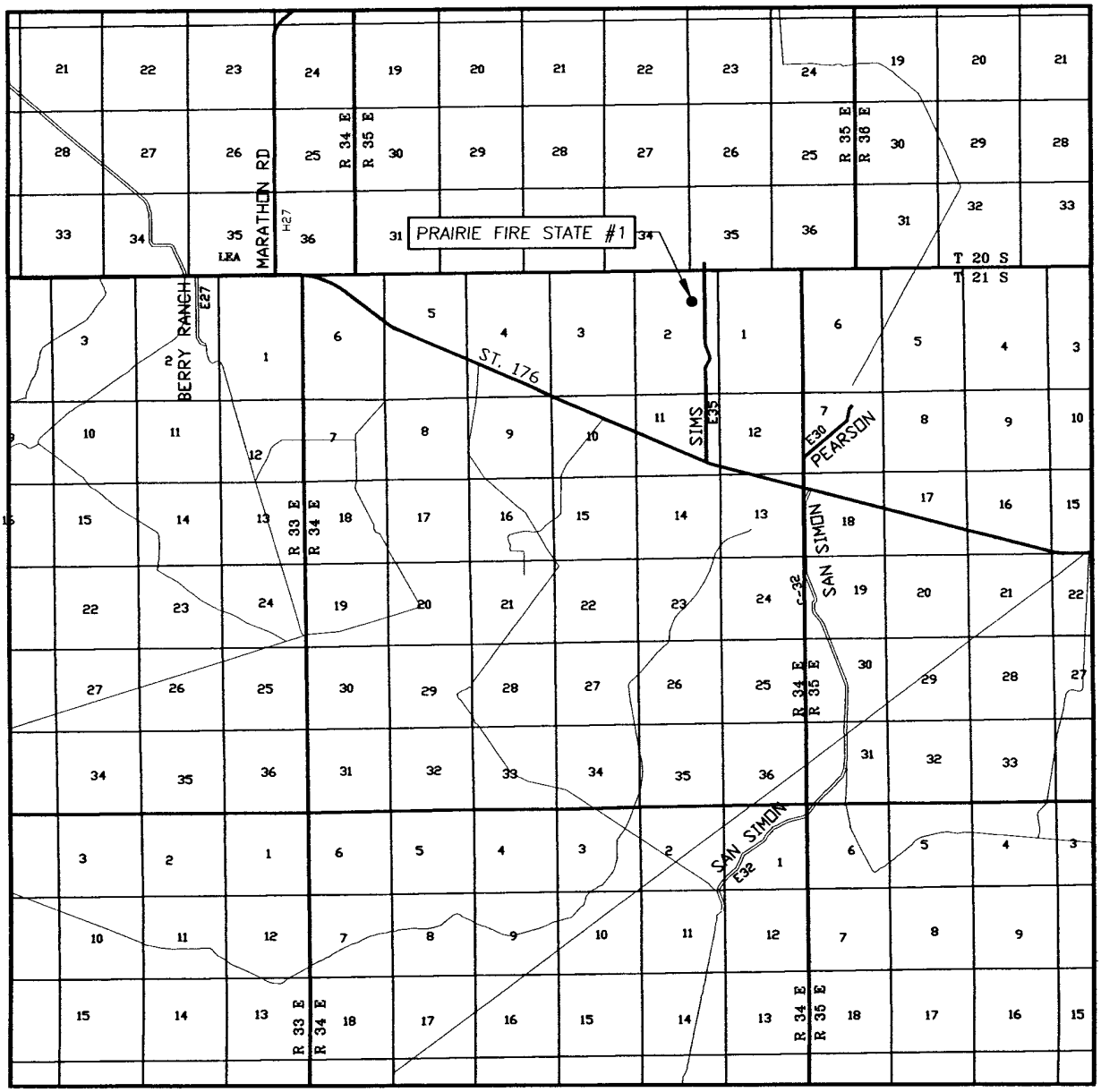
EDGE PETROLEUM OPERATING CO.

PRAIRIE FIRE STATE #1 WELL
LOCATED 1980 FEET FROM THE NORTH LINE
AND 1650 FEET FROM THE EAST LINE OF SECTION 2,
TOWNSHIP 21 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 7/12/07	Sheet 1 of 1 Sheets		
W.O. Number: 07.11.0865	Dr By: AR	Rev 1:N/A	
Date: 7/23/07	Disk:	07110865	Scale: 1"=100'

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 2 TWP. 21-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FNL & 1650' FEL

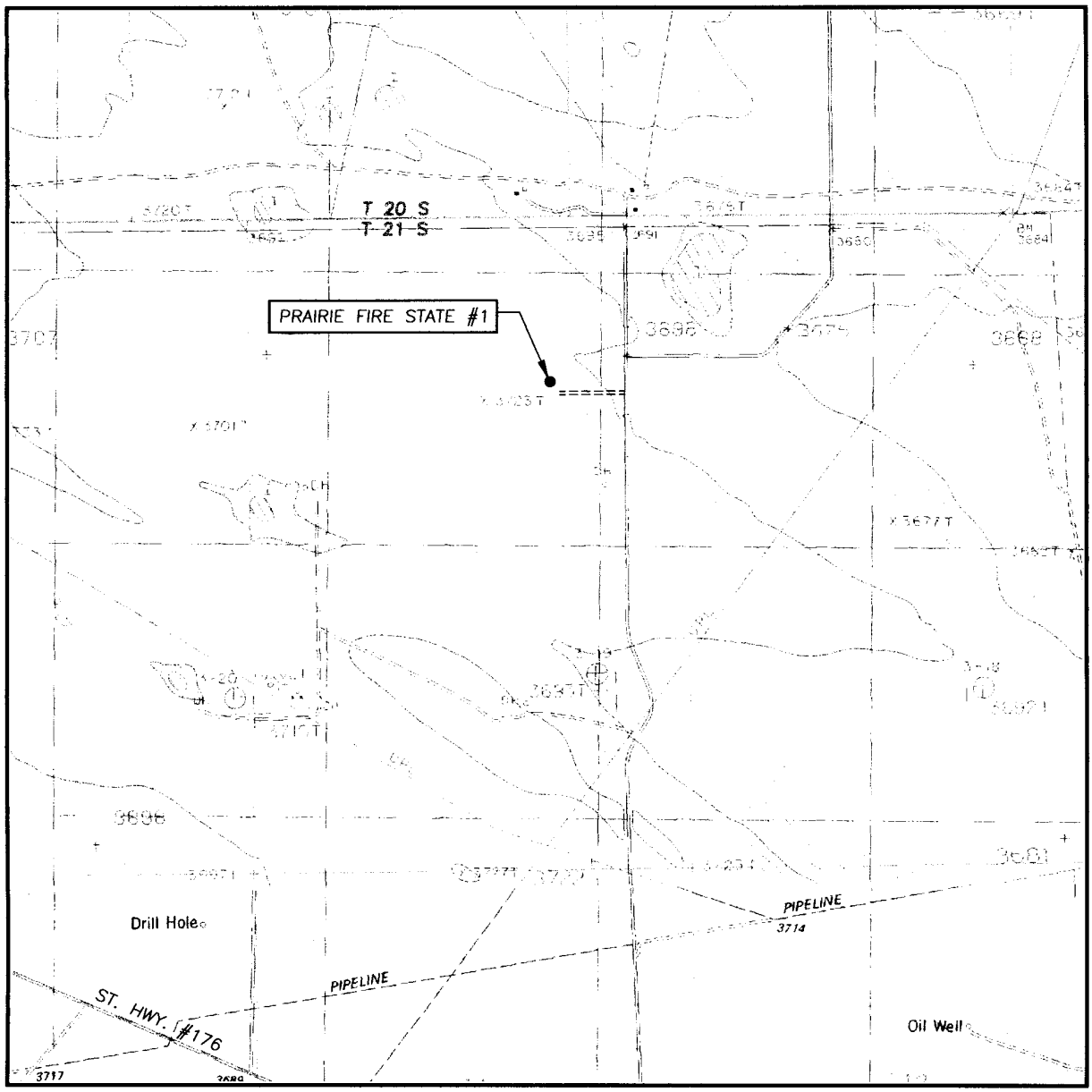
ELEVATION 3714'

OPERATOR EDGE PETROLEUM OPERATING CO.

LEASE PRAIRIE FIRE STATE

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
MONUMENT SW, N.M. – 5'

SEC. 2 TWP. 21-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FNL & 1650' FEL

ELEVATION 3714'

OPERATOR EDGE PETROLEUM OPERATING CO.

LEASE PRAIRIE FIRE STATE

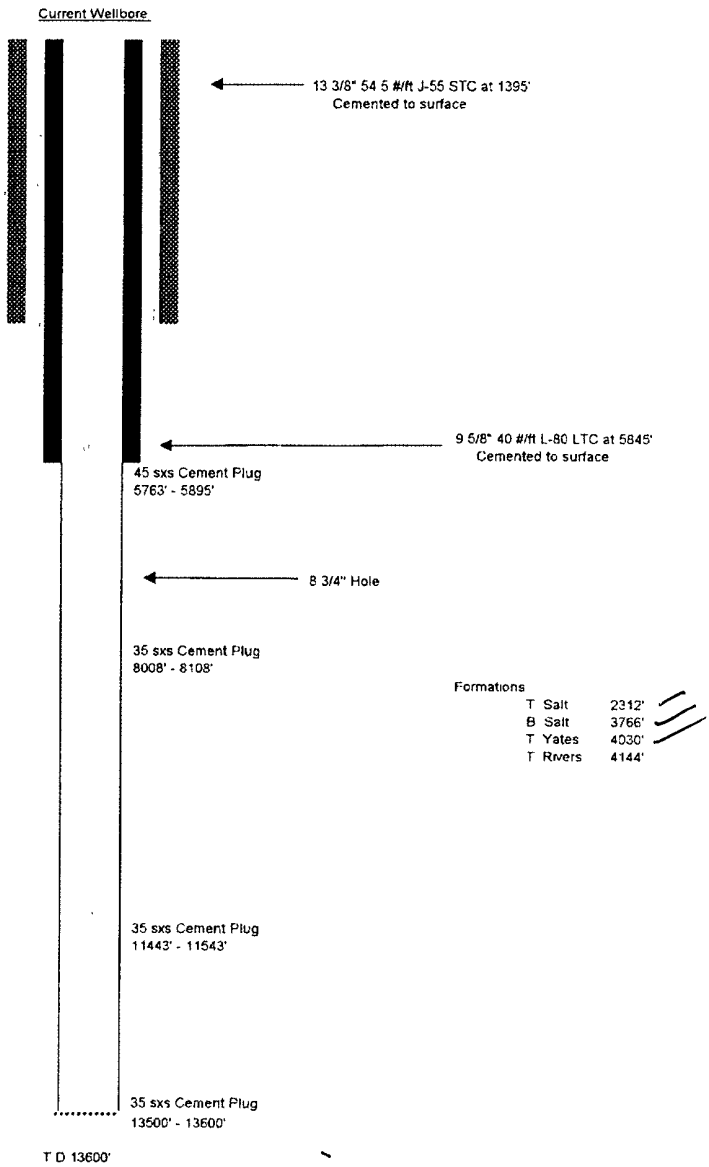
U.S.G.S. TOPOGRAPHIC MAP
MONUMENT SW, N.M.

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

WellBore Diagram
Phillips Petroleum Profit Center

Lease and Well No.: Prairie Fire State #1
Location: 1980' FNL & 1650' FEL Sec 2 T21S R34E
County/State: Lea County, New Mexico
Subarea: Buckeye
Field: Osudo West (Morrow)
KB: 3734'
GL: 3710'
Producing Formations: Dry Hole
Spud Date: 4/20/99
Completion Date: N/A
API Number: 30-025-34590
Lease No.: 24398
Lease Acct. Code: A600603
Status: Shut in

History: The Prairie Fire State #1 was drilled in 1999 to a depth of 13600'. The open hole section was determined to be dry and was plugged back to 5763'. The cased hole section was left unplugged until further study could be completed The study has determined this section of the hole to also be dry, thus it is this section that now requires plugging.



P Zaher

Pathfinder Energy
Planning Report

Company:	Edge Petroleum Corporation	**Date:** 09/07/2007 **Time:** 10:48.37	**Page:** 1
Field:	Osudo West - Morrow	**Co-ordinate(NE) Reference:**	Site: Prairie Fire State #1, Grid North
Site:	Prairie Fire State #1	**Vertical (TVD) Reference:**	SITE 3734.0
Well:	Prairie Fire State #1	**Section (VS) Reference:**	Well (0.00N,0.00E,36.58Azi)
Wellpath:	OH	**Plan:**	Plan #3 8-24-07

Field: Osudo West - Morrow

Map System:	US State Plane Coordinate System 1927	**Map Zone:**	New Mexico, Eastern Zone
Geo Datum:	NAD27 (Clarke 1866)	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	igrf2005

Site: Prairie Fire State #1

Site Position:		**Northing:** 570431.55 ft	**Latitude:**	32 34 0 600	N
From:	Geographic	**Easting:** 682106.46 ft	**Longitude:**	103 44 32.000	W
Position Uncertainty:	0.00 ft		**North Reference:**	Grid	
Ground Level:	3710.00 ft		**Grid Convergence:**	-16.68	deg

Well: Prairie Fire State #1 **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:** 570431.55 ft	**Latitude:**	32 34 0.600	N
	+E/-W	0 00 ft	**Easting :** 682106.46 ft	**Longitude:**	103 44 32.000	W
Position Uncertainty:		0.00 ft				

Wellpath: OH

Drilled From:	Surface		
Tie-on Depth:	0.00 ft		
Current Datum:	SITE	**Height** 3734.00 ft	**Above System Datum:** Mean Sea Level
Magnetic Data:	07/11/2007		**Declination:** 8 15 deg
Field Strength:	49246 nT		**Mag Dip Angle:** 60.58 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
10500.00	0 00	0.00	36.58

Plan: Plan #3 8-24-07 **Date Composed:** 07/11/2007
Version: 1
Principal: Yes **Tied-to:** From: Definitive Path

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
5900.00	0.88	35.44	5898.09	42.08	33.77	0.00	0.00	0.00	0.00	
6685 01	24.43	36.51	6658.65	179.41	135.29	3.00	3.00	0.14	1.11	
9168.98	24.43	36.51	8920.22	1005.12	746.52	0.00	0.00	0 00	0 00	
10797 67	0.00	0.00	10500.00	1280.00	950.00	1.50	-1.50	0.00	180.00	Vertical Point
13897.67	0.00	0.00	13600.00	1280.00	950.00	0.00	0.00	0.00	0.00	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5900.00	0.88	35.44	5898.09	42.08	33.77	53.92	0.00	0.00	0.00	KOP @ 5900' MD, Begin Bui
6000 00	3.88	36.30	5997.99	45.43	36.22	58.07	3.00	3 00	0.86	MWD
6100.00	6.88	36.41	6097.54	52.98	41.78	67.44	3.00	3.00	0.11	MWD
6200.00	9.88	36.45	6196.46	64.71	50.43	82.02	3.00	3.00	0.04	MWD
6300.00	12.88	36.47	6294.48	80.57	62.16	101.75	3.00	3.00	0.02	MWD
6400.00	15.88	36 49	6391.34	100.54	76.92	126.58	3.00	3.00	0.01	MWD
6500.00	18.88	36.50	6486.76	124.55	94.69	156.44	3.00	3.00	0.01	MWD
6600.00	21 88	36.51	6580.49	152.54	115.40	191.26	3.00	3.00	0.01	MWD
6685.01	24.43	36.51	6658.65	179.41	135 29	224.69	3.00	3.00	0.01	EOB @ 6685' MD, 24.43° IN
6700.00	24.43	36.51	6672.30	184.39	138.97	230.89	0.00	0.00	0.00	MWD
6800.00	24.43	36.51	6763.34	217.63	163.58	272.25	0.00	0.00	0.00	MWD
6900.00	24.43	36.51	6854.39	250.87	188.19	313.61	0.00	0.00	0.00	MWD
7000.00	24.43	36.51	6945.44	284.11	212.80	354 96	0.00	0.00	0 00	MWD
7100.00	24.43	36.51	7036.48	317.35	237.40	396.32	0.00	0.00	0.00	MWD
7200 00	24 43	36.51	7127.53	350.60	262 01	437.68	0.00	0.00	0.00	MWD
7300.00	24.43	36.51	7218.58	383.84	286.62	479.04	0.00	0.00	0.00	MWD

Pathfinder Energy
Planning Report

Company:	Edge Petroleum Corporation	**Date:** 09/07/2007 **Time:** 10:48:37 **Page:** 2	
Field:	Osudo West - Morrow	**Co-ordinate(NE) Reference:**	Site: Prairie Fire State #1, Grid North
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Well:	Prairie Fire State #1	**Section (VS) Reference:**	Well (0.00N,0.00E,36.58Azi)
Wellpath:	OH	**Plan:**	Plan #3 8-24-07

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7400.00	24.43	36.51	7309.62	417.08	311.22	520.40	0.00	0.00	0.00	MWD
7500.00	24.43	36.51	7400.67	450.32	335.83	561.76	0.00	0.00	0.00	MWD
7600.00	24.43	36.51	7491.72	483.56	360.44	603.12	0.00	0.00	0.00	MWD
7700.00	24.43	36.51	7582.76	516.81	385.05	644.47	0.00	0.00	0.00	MWD
7800.00	24.43	36.51	7673.81	550.05	409.65	685.83	0.00	0.00	0.00	MWD
7900.00	24.43	36.51	7764.85	583.29	434.26	727.19	0.00	0.00	0.00	MWD
8000.00	24.43	36.51	7855.90	616.53	458.87	768.55	0.00	0.00	0.00	MWD
8100.00	24.43	36.51	7946.95	649.77	483.47	809.91	0.00	0.00	0.00	MWD
8200 00	24.43	36.51	8037.99	683.01	508.08	851.27	0.00	0.00	0.00	MWD
8300.00	24.43	36.51	8129.04	716.26	532.69	892.62	0.00	0.00	0.00	MWD
8400.00	24.43	36.51	8220.09	749.50	557.30	933.98	0.00	0.00	0.00	MWD
8500.00	24.43	36.51	8311.13	782.74	581.90	975.34	0.00	0.00	0.00	MWD
8600.00	24.43	36.51	8402.18	815.98	606.51	1016.70	0.00	0.00	0.00	MWD
8700.00	24.43	36.51	8493 23	849.22	631.12	1058.06	0.00	0.00	0.00	MWD
8800.00	24.43	36.51	8584.27	882.46	655.72	1099.42	0.00	0.00	0 00	MWD
8900.00	24.43	36.51	8675.32	915.71	680.33	1140.78	0.00	0.00	0.00	MWD
9000.00	24 43	36.51	8766.37	948.95	704.94	1182.13	0.00	0 00	0.00	MWD
9100.00	24.43	36.51	8857.41	982.19	729.55	1223.49	0.00	0.00	0.00	MWD
9168.98	24.43	36.51	8920.22	1005.12	746.52	1252.02	0.00	0.00	0.00	EOH @ 9169' MD, Begin Dro
9200.00	23.97	36.51	8948.51	1015.34	754.09	1264.74	1.50	-1.50	0.00	MWD
9300.00	22.47	36.51	9040.41	1047.02	777.54	1304.15	1.50	-1.50	0.00	MWD
9400.00	20.97	36.51	9133.31	1076.76	799.55	1341.15	1.50	-1.50	0.00	MWD
9500.00	19.47	36.51	9227.15	1104.53	820.11	1375.70	1.50	-1.50	0.00	MWD
9600.00	17.97	36.51	9321.86	1130.32	839.20	1407.79	1.50	-1.50	0.00	MWD
9700.00	16.47	36.51	9417.38	1154.11	856.81	1437 38	1.50	-1.50	0.00	MWD
9800.00	14.97	36.51	9513.64	1175.87	872.92	1464.47	1.50	-1.50	0.00	MWD
9900.00	13.47	36 51	9610 57	1195.61	887.53	1489.02	1.50	-1 50	0 00	MWD
10000.00	11.97	36.51	9708.12	1213.30	900.63	1511.03	1.50	-1.50	0.00	MWD
10100 00	10.47	36.51	9806.21	1228.93	912.20	1530 48	1.50	-1.50	0.00	MWD
10200.00	8.97	36 51	9904.77	1242 49	922 24	1547.36	1.50	-1.50	0.00	MWD
10300.00	7.47	36.51	10003.74	1253.98	930.74	1561 65	1.50	-1.50	0.00	MWD
10400 00	5.97	36.51	10103.05	1263.38	937.69	1573.34	1.50	-1.50	0.00	MWD
10500.00	4.47	36.51	10202.63	1270.68	943.10	1582.43	1.50	-1.50	0.00	MWD
10600.00	2.97	36.51	10302.42	1275.89	946.96	1588.91	1.50	-1.50	0.00	MWD
10700.00	1.47	36.51	10402.34	1279.00	949.26	1592.77	1 50	-1.50	0.00	MWD
10797.67	0.00	0.00	10500 00	1280.00	950 00	1594.02	1.50	-1.50	0.00	Vertical Point
10800.00	0.00	0.00	10502.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
10900.00	0.00	0 00	10602.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
11000.00	0.00	0.00	10702.33	1280 00	950.00	1594.02	0.00	0.00	0.00	MWD
11100.00	0.00	0.00	10802.33	1280.00	950.00	1594.02	0.00	0 00	0 00	MWD
11200.00	0.00	0.00	10902.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
11300.00	0.00	0.00	11002.33	1280.00	950.00	1594 02	0.00	0.00	0.00	MWD
11400.00	0.00	0 00	11102.33	1280.00	950.00	1594.02	0.00	0 00	0.00	MWD
11500.00	0.00	0.00	11202.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
11600.00	0.00	0.00	11302.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
11700.00	0.00	0.00	11402.33	1280 00	950 00	1594.02	0.00	0.00	0.00	MWD
11800.00	0.00	0.00	11502.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
11900.00	0.00	0.00	11602.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12000.00	0.00	0.00	11702.33	1280 00	950.00	1594.02	0.00	0.00	0.00	MWD
12100.00	0.00	0.00	11802.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12200.00	0.00	0.00	11902.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12300.00	0.00	0.00	12002.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12400.00	0.00	0.00	12102.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12500.00	0.00	0.00	12202.33	1280 00	950 00	1594 02	0.00	0.00	0.00	MWD

Pathfinder Energy
Planning Report

Company:	Edge Petroleum Corporation	**Date:** 09/07/2007 **Time:** 10:48:37	**Page:** 3
Field:	Osudo West - Morrow	**Co-ordinate(NE) Reference:** Site: Prairie Fire State #1, Grid North	
Site:	Prairie Fire State #1	**Vertical (TVD) Reference:** SITE 3734.0	
Well:	Prairie Fire State #1	**Section (VS) Reference:** Well (0.00N,0.00E,36.58Azi)	
Wellpath:	OH	**Plan:** Plan #3 8-24-07	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
12600.00	0.00	0.00	12302.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12700.00	0.00	0.00	12402 33	1280.00	950.00	1594.02	0.00	0.00	0 00	MWD
12800.00	0.00	0.00	12502.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
12900.00	0.00	0.00	12602.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13000.00	0.00	0.00	12702.33	1280.00	950.00	1594.02	0 00	0.00	0 00	MWD
13100.00	0.00	0.00	12802.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13200.00	0.00	0.00	12902.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13300.00	0.00	0.00	13002 33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13400 00	0.00	0 00	13102.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13500.00	0.00	0.00	13202.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13600.00	0.00	0.00	13302.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13700.00	0.00	0 00	13402.33	1280.00	950.00	1594.02	0.00	0.00	0 00	MWD
13800.00	0.00	0.00	13502.33	1280.00	950.00	1594.02	0.00	0.00	0.00	MWD
13897.67	0.00	0.00	13600.00	1280.00	950.00	1594 02	0.00	0.00	0.00	TD @ 13898' MD, 13600' TV

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<--- Longitude ---> Deg Min Sec
Vertical Point -Plan hit target			10500 00	1280.00	950.00	571711.55	683056.46	32 34 13.214 N	103 44 20.816 W

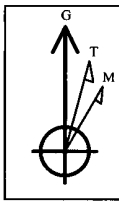
Annotation

MD ft	TVD ft	
5900.00	5898.09	KOP @ 5900' MD, Begin Build @ 3°/100'
6685.01	6658.65	EOB @ 6685' MD, 24.43° INC, Begin Hold
9168.98	8920.22	EOH @ 9169' MD, Begin Drop @ 1.5°/100'
10797.67	10500.00	EOD @ 10798' MD, 10500' TVD, 0° INC, Hold to TD
13897.67	13600.00	TD @ 13898' MD, 13600' TVD

Edge Petroleum Corporation

PATHFINDER

Field: Osudo West - Morrow
Site: Prairie Fire State #1
Well: Prairie Fire State #1
Wellpath: OH
Plan: Plan #3 8-24-07

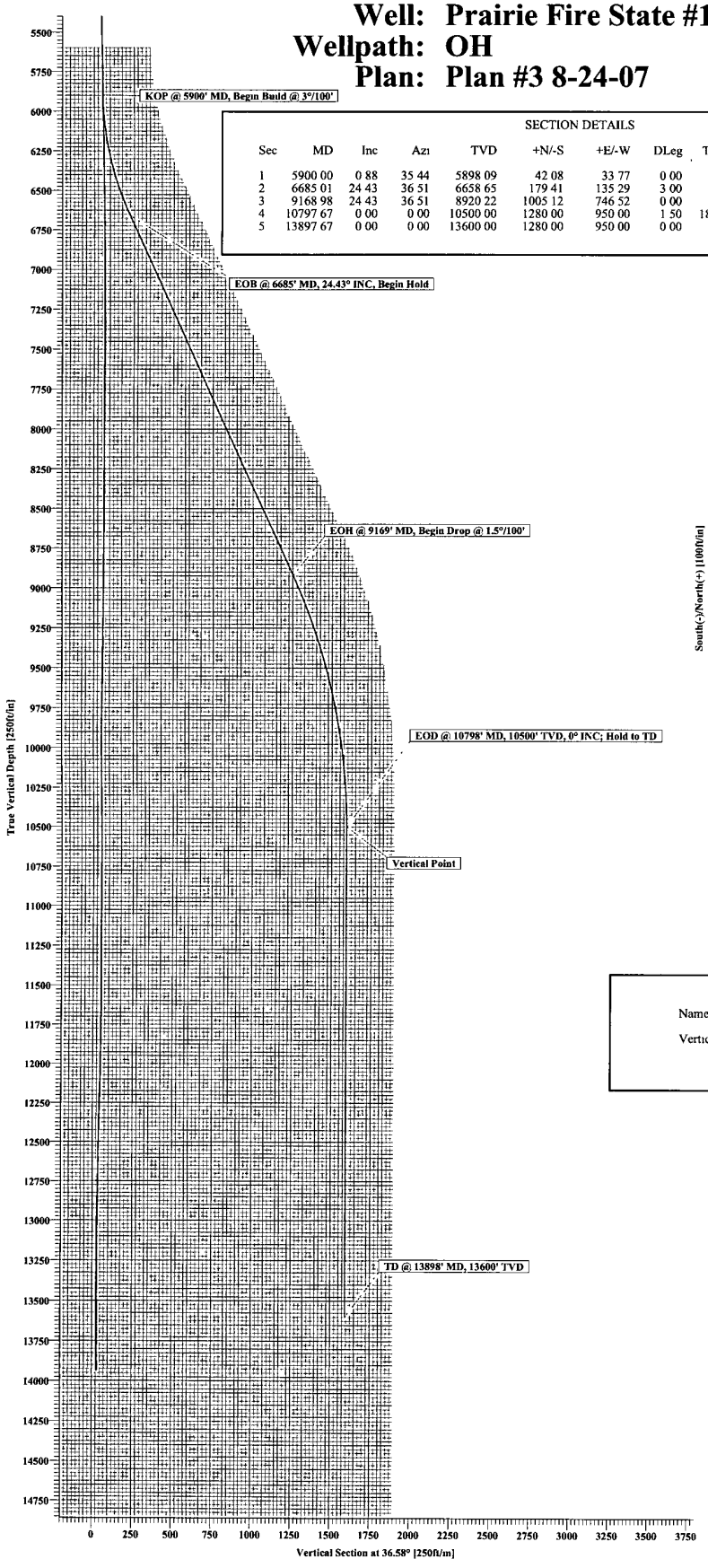


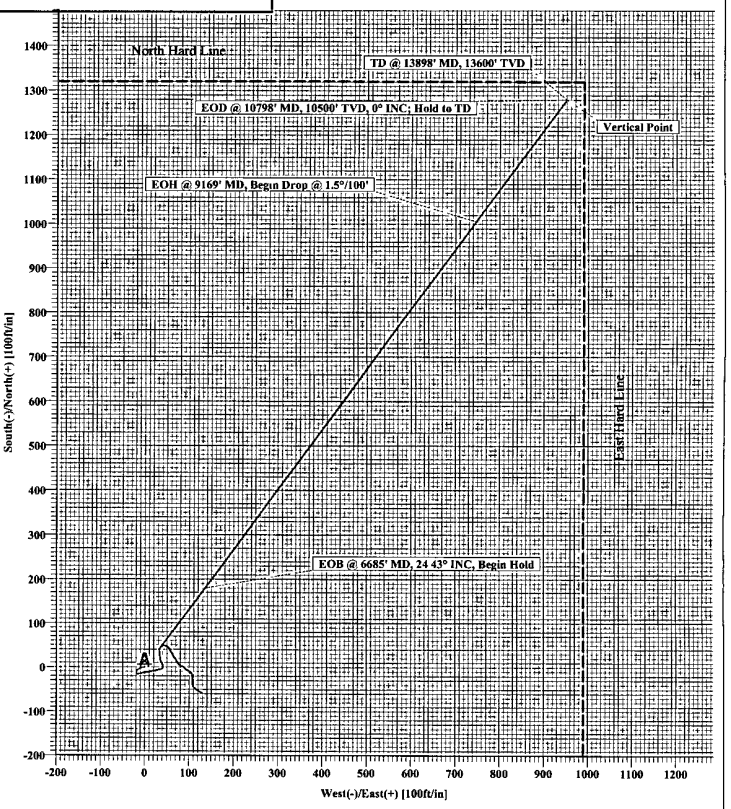
Azimuths to Grid North
True North 16 68°
Magnetic North 24 83°

Magnetic Field
Strength 49246nT
Dip Angle 60 58°
Date 07/11/2007
Model igrf2005

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5900 00	0 88	35 44	5898 09	42 08	33 77	0 00	0 00	13 95	
2	6685 01	24 43	36 51	6658 65	179 41	135 29	3 00	1 11	51 51	
3	9168 98	24 43	36 51	8920 22	1005 12	746 52	0 00	0 00	278 13	
4	10797 67	0 00	0 00	10500 00	1280 00	950 00	1 50	180 00	353 57	Vertical Point
5	13897 67	0 00	0 00	13600 00	1280 00	950 00	0 00	0 00	353 57	





TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	10500 00	1280 00	950 00	Point

SITE DETAILS

Prairie Fire State #1

Site Centre Latitude 32°34'00 600N
Longitude 103°44'32 000W

Ground Level 3710 00
Positional Uncertainty 0 00
Convergence -16 68

FIELD DETAILS

Osudo West - Morrow

Geodetic System US State Plane Coordinate System 1927
Ellipsoid NAD27 (Clarke 1866)
Zone New Mexico, Eastern Zone
Magnetic Model igrf2005

System Datum Mean Sea Level
Local North Grid North

ANNOTATIONS

No	TVD	MD	Annotation
1	5898 09	5900 00	KOP @ 5900' MD, Begin Build @ 3°/100'
2	6658 65	6685 01	EOB @ 6685' MD, 24 43° INC, Begin Hold
3	8920 22	9168 98	EOH @ 9169' MD, Begin Drop @ 1 5°/100'
4	10500 00	10797 67	EOD @ 10798' MD, 10500' TVD, 0° INC, Hold to TD
5	13600 00	13897 67	TD @ 13898' MD, 13600' TVD

Plan: Plan #3 8-24-07 (Prairie Fire State #1/OH)
Created By: Derek Crocker Date: 09/07/2007

Schlumberger

PRIMARY CEMENTING PROPOSAL

RE ENTRY

Edge Petroleum

Praire Fire State 1

Well Location

Field	:	Osudo
County	:	Lea
State	:	Nm
Country	:	USA

Prepared for	:	**Court Adkins**	Service Point	:	HOBBS, NM
			Business Phone	:	505-393-6186
Date Prepared	:	11-Sep-07	FAX No.	:	505-393-2132

Prepared by	:	Lori Ward
Phone	:	432-894-2121
FAX	:	432-571-4682
E-Mail address	:	lward@slb.com

Schlumberger

Well Data: Kop

Depth	6,300	ft.
Casing Size	0	in.
Open Hole Diameter	8 3/4	in.
Previous Csg. Depth	5,745	ft.
Previous Csg. Size	10 3/4	in., 40.5 lbs./ft.
BHST	130	°F
BHCT	80.0	°F
Total Excess	0	%
Tail Excess	25	%

Mud Wt./Type: 9 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	
Casing x Previous Casing	0.5499 cu.ft./ft
Casing (Internal)	0 cu.ft./ft

Top of Cement **5,800 ft.**

Cement System:

Open Hole Fill	(500 x 0.4176 x 1.25) / 0.94 = 278 sks.
Casing Shoe Cement	(40 x 0) / 0.94 = sks.

Cementing Systems

Cement System: 280 sks.

Class H + 0.8% D65 + 0.05% D800

Mix Weight	:	17.5	PPG	
Yield	:	0.94	cu.ft./sk.	
Mix Water	:	3.37	gal./sk.	(Fresh Water)

Schlumberger

Well Data: 7 in. Intermediate

Depth	12,000	ft. (11,700 ft., TVD)
Casing Size	7	in., 29 lbs./ft.
Open Hole Diameter	8 3/4	in.
Previous Csg. Depth	5,745	ft.
Previous Csg. Size	10 3/4	in., 40.5 lbs./ft.
BHST	173	°F
BHCT	136.2	°F @ 11,700 ft. TVD
Total Excess	25	%
Lead Excess (calculated O.H.)	22.4	%
Tail Excess	26	%

Mud Wt./Type: 9 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	0.1503 cu.ft./ft
Casing x Previous Casing	0.2826 cu.ft./ft
Casing (Internal)	0.2097 cu.ft./ft

Top of Lead	**5,300 ft.**
Top of Tail	**7,500 ft.**

Lead System:

Open Hole Fill	(1,755 x 0.1503 x 1.22) / 2.25 = 144 sks.
Previous Casing Fill	(445 x 0.2826) / 2.25 = 56 sks.
	Total Lead Cement = 199 sks.

Tail System:

Open Hole Fill	(4,500 x 0.1503 x 1.26) / 1.33 = 643 sks.
Casing Shoe Cement	(40 x 0.2097) / 1.33 = 6 sks.
	Total Tail Cement = 649 sks.

Cementing Systems

Spacer System: 10 bbls .

Freshwater

Lead System: 200 sks.

35:65 Poz:Class H + 5% D44 (bwow) + 10% D20 + 0.2% D65 + 0.25 pps D29 + 3 pps D42 + 0.4% D167 + 0.2% D46

Mix Weight	:	12.4	PPG	
Yield	:	2.25	cu.ft./sk.	
Mix Water	:	12.27	gal./sk.	(Fresh Water)

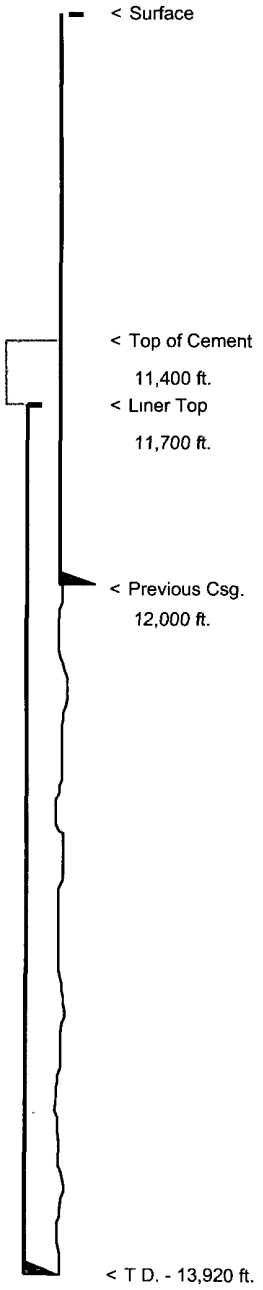
Tail System: 650 sks.

50:50 Poz:Class H + 2% D20 + 0.2% D65 + 0.3% D167 + 3% D174 + 0.25 pps D29 + 3 pps D42

Mix Weight	:	14.4	PPG	
Yield	:	1.33	cu.ft./sk.	
Mix Water	:	5.81	gal./sk.	(Fresh Water)

Schlumberger

Well Data: 4 1/2 in. Liner



Depth	13,920	ft. (13,600 ft., TVD)
Liner Size	4 1/2	in., 13.5 lbs./ft.
Liner Top	11,700	ft.
Open Hole Diameter	6 1/8	in.
Previous Csg. Depth	12,000	ft.
Previous Csg. Size	7	in., 29 lbs./ft.
BHST	188	°F
BHCT	149.6	°F @ 13,600 ft. TVD
Total Excess	30	%
Tail Excess	30	

Mud Wt./Type: 9 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Liner x Open Hole	0.0942 cu.ft./ft
Liner x Previous Casing	0.0992 cu.ft./ft
Liner (Internal)	0.0836 cu.ft./ft
Previous Casing (Internal)	0.2097 cu.ft./ft.

Top of Cement **11,400 ft.**

Cement System:

Open Hole Fill	(1,920 x 0.0942 x 1.3) / 1.33 = 176 sks.
Liner Lap Fill	(300 x 0.0992) / 1.33 = 22 sks.
Liner Cap	(300 x 0.2097) / 1.33 = 47 sks.
Casing Shoe Cement	(40 x 0.0836) / 1.33 = 3 sks.
	Total Cement = 248 sks.

Cementing Systems

Spacer System: 20 bbls .

MUDPUSH MPUSH II mixed @ 13.0 PPG

Cement System: 250 sks.

50:50 Poz:Class H + 2% D20 + 3% D174 + 0.05% M045 + 1.6 gps D600G + 0.08 gps D801 + 3 pps D42

Mix Weight	:	14.4	PPG	
Yield	:	1.33	cu.ft./sk.	
Mix Water	:	4.24	gal./sk.	(Fresh Water)

This quote is valid for a period of thirty days from the date submitted. These prices are estimates based on current price structure and will vary somewhat with the materials, equipment, and time actually required at the time of service. The discount shown will be applicable to the most current Dowell price book in effect at the time of service. Not included are the costs of fluid storage, oil, water, (or transportation thereof) except as listed. Dowell does not offer these services.

The cement slurry data presented are from systems previously tested in Dowell laboratories. Thickening time tests should be run when field mix water is available and final temperatures are known. Mud\Cement compatibility tests should be run when final mud systems are in use. These tests could cause quantity variations of the materials recommended, thereby affecting the price of the job.

In the interest of safety, a pre-job tailgate safety meeting will be held with your representative and other on-location personnel to familiarize everyone with existing hazards and safety procedures. During this meeting a designated wash-up area will be assigned for our cementing unit to dispose of our cement slurry and drilling mud displacement fluid.

Thank you for considering Dowell for this work. Please do not hesitate to call with any questions or concerns.

Lori Ward
Midland, Texas

Recommended Drilling Fluids Program
and
Cost Estimate

For:

Edge Petroleum Corporation
1301 Travis, Suite 2000
Houston, TX 77002

The

Prairie Fire State #1 (re-entry)

Located in:

Sec 2, T-21-S, R-34-E,
Lea County, NM

Prepared especially for:

Mr. Court Adkins

Consulting Petroleum Engineer

"The Nova Difference"

A Commitment to Service and Quality

NOVA MUD, Inc.

P.O. Box 2703 Hobbs, New Mexico 88241 800-530-8786
1004 Big Spring, Ste. 215, Midland, Texas 79701 432-570-6663

9/10/2007

Mr. Court Adkins
Edge Petroleum Corporation
1301 Travis, Suite 2000
Houston, TX 77002

RE: Prairie Fire State #1 (re-entry) (13898 MD' - Morrow)

Dear Court,

We appreciate the opportunity to present our ideas for your upcoming prospect, located in Sec 2, T-21-S, R-34-E, of Lea County, NM.

This program has been designed to economically provide sufficient hole stability and adequate formation evaluation with minimum damage to your producing formation.

Our mud cost for this well under normal drilling conditions is approximately $125,226 based on 32 drilling days. Severe lost circulation, water flows, fishing jobs, pressure or other unforeseen drilling hazards could alter this estimate.

Our stockpoint for this area is Hobbs/Lovington, NM. A price list and brief resume' of our personnel are enclosed in the miscellaneous section of the program.

We thank you for the opportunity to be of service to you on this well and we look forward to working with you in the future. Please don't hesitate to call should you have any questions or comments.

Sincerely,

Dale S. Welch
Technical Advisor

Edge Petroleum Corporation * Prairie Fire State # 1 (re-entry) * Sec 2, T-21-S, R-34-E, Lea, NM

INTERVAL: 0 - 12,000'	8.75" hole	22 days	7" csg		6 drill bits	
Product	**Function**	**Treatment**	**Unit Size**	**Usage**	**Unit Price**	**Total Price**
Bentonite	Hole sweep	12-14 ppb in sweeps	100 #	200	$8.86	$1,772.00
Bicarb of Soda	Cement treatment	As needed for cement contamination	100 #	10	$36 00	$360.00
Caustic Soda	pH additive	.25 ppb	50 #	20	$33.00	$660.00
EPL-50/Slider C-555	Lubricant	1-3 % by volume if needed	55 gal.	4	$810.00	$3,240.00
Graphite	Lubricant	1-4 ppb in sweeps	50 #	50	$41 05	$2,052 50
MF-55/VisPlus(non-ionic)	Flocculant, hole sweep	1 gal. slug as needed for sweep	5 gal.	14	$98.80	$1,383.20
Mica	LCM, sealant	6-10 ppb in sweeps	50 #	200	$10.85	$2,170 00
M-I-X II/Delta P/BaroFiber	LCM, sealant	6-10 ppb in sweeps	25 #	200	$26.63	$5,326.00
Pallets	Storage aid		1 each	10	$18.00	$180.00
Plastic	Storage aid	Cover mud	1 roll	1	$45.00	$45.00
Shrink Wrap	Storage aid		1 each	15	$22.00	$330.00
XCD Polymer/Flozan/Optizan	Hole sweep	.75 -1.0 ppb in pills	25 #	25	$161 70	$4,042.50
				Interval Total:		**$21,561.20**

Projected Mud Properties

Depth	M W - ppg	Vis	Fil	pH	Cl - ppm				
0-9,500'	8.3-8.5	28	N/C	10.0	3-12K				
9,500-12,000'	9.0-9.8	28	N/C	10.0	50-160K				

General Geological Data

Tops/Bases	Formation	Lithology	Notes/Challenges
6,950' - 8,215'	Brushy Canyon	Sand	Measured depth
8,215' - 9,835'	Bone Spring Lime	Limestone	
9,835' - 11,535'	1st Bone Spring Sand	Sand	Seepage
11,535' - 11,815'	3rd Bone Spring Sand	Sand	Seepage
11,815' - 12,000'	Wolfcamp	Shaly limestone	7" casing seat(if necessary)

Interval Notes for 0 - 12,000

Re-enter the existing well bore with Fresh Water. Circulate the reserve, if available. Adjust the pH to 10.0 with Caustic. Use Mica to control any seepage and MF-55 to aid in hole cleaning and to flocculate drill solids. Viscous XCD Polymer pills may be used to aid in hole cleaning and offer a measure of lubrication. (**Lubricants may be necessary as the well is brought back to vertical**).

Clean out the existing casing (9 5/8" @ 5,845') and open hole to the kick off point (+/-5,900'). Set a cement plug and kick off with an 8.75 inch bit and directional assembly. Build angle at 3 degrees/100' to an inclination of 24 degrees. Maintain 24 degrees until 9,169' and begin to drop angle at 1.5 degrees/100' to get back to vertical by 10,798' MD. **All depths given as measured depth**.

Continue drilling with the existing system, gradually raising the weight and chlorides with Brine and/or sack salt. We suggest a chloride content over 50,000 ppm by the time the First Bone Springs is reached as some tight hole occurred in the original well with Fresh Water. Mud weights of 10.0 ppg may be needed in the Wolfcamp to control gas and possible sloughing shale. **Should losses be moderate to severe, we suggest using Bentonite pills with 6-10 ppb of LCM be used to regain returns instead of XCD for economic reasons**. An early mud up may be necessary should losses be moderate to severe and the Wolfcamp is pressured. **Set 7" casing into the Wolfcamp at approximately 12,000' MD.**

Edge Petroleum Corporation * Prairie Fire State # 1 (re-entry) * Sec 2, T-21-S, R-34-E, Lea, NM

INTERVAL: 12,000 - 13,900'	6.125" hole	10 days	4.5" csg		4 drill bits	
Product	**Function**	**Treatment**	**Unit Size**	**Usage**	**Unit Price**	**Total Price**
Barite	Weighting agent	As needed for slugs	100 #	250	$19.50	$4,875 00
Barite-Bulk	Weighting agent	As needed	1 ton	150	$270.00	$40,500 00
Biocide (STC)	Biocide	1 gal./100 bbls	5 gal.	40	$103 20	$4,128.00
Caustic Soda	pH additive	.25 ppb	50 #	30	$33.00	$990.00
Desco	Thinner, dispersant	As needed	25 #	20	$47.60	$952.00
Drispac/Poly Pac/StaFlo/Aquapac	Filtrate control, secondary viscosifier	.25-.4 ppb	50 #	50	$169.00	$8,450.00
Mica	LCM, sealant	As needed	50 #	30	$10.85	$325.50
M-I-X II/Delta P/BaroFiber	LCM, sealant	As needed	25 #	40	$26.63	$1,065.20
Silicone Defoamer	Defoamer	As needed	5 gal.	30	$90.30	$2,709.00
Soda Ash	Calcium remover	5- 75 ppb	100 #	100	$22.88	$2,288 00
White Starch/Impermex	Filtrate control	2-3 ppb	50 #	80	$22.10	$1,768.00
XCD Polymer/Flozan/Optizan	Viscosifier	.5-.75 ppb	25 #	90	$161.70	$14,553.00
					Interval Total:	**$82,603.70**

Projected Mud Properties

Depth	M W - ppg	Vis	Fil	pH	Cl - ppm				
12,000-13,900'	12.0-12.2	40-46	8-6cc	10.0	186K				

General Geological Data

Tops/Bases	Formation	Lithology	Notes/Challenges
12,000' - 12,345'	Wolfcamp	Shaly limestone	
12,345' - 12,645'	Strawn	Cherty limestone	Possible gas kick
12,645' - 13,175'	Atoka	Shale, sand	Possible gas kick
13,175' - 13,440'	Upper Morrow	Shaly calcareous sand	Pay Zone
13,440' - 13,750'	Mid Morrow	Shaly calcareous sand	Pay Zone
13,750' - 13,825'	Lower Morrow	Shaly calcareous sand	Pay Zone
13,825' - 13,900'	Basal Lower Morrow Sand	Sand	Pay Zone, TD

Interval Notes for 12,000 - 13,900

Prior to drilling the shoe treat the existing system with STC (biocide) to prevent bacteria growth and Soda Ash to lower total hardness to below 200ppm. Raise the viscosity as needed to hold Barite in suspension Adjust the filtrate to 6cc or less with White Starch and Drispac. Raise the weight to 12.0-12.2 ppg. Use Defoamer as needed while mixing or getting gas to prevent the aeration of the pumps. Continue the use of STC and Soda Ash to prevent bacteria growth and maintain total hardness below 200 ppm. Use Caustic Soda to maintain the pH at 10.0. Adjust the viscosity as necessary with additions of XCD Polymer. Continue the use of Mica and MIX II for seepage control while using Magma Fiber for more serious losses. Utilize all solids control equipment to cut down on dilution and keep costs in line. Small amounts of Desco may be needed in the higher mud weight ranges to stabilize the rheology. The existing properties should be sufficient for any logging and/or casing operations.

NOTE: a different scenario would be to drill into the Atoka sand with the mud weight still at 10.8 ppg. Should pressure not be present you would save a considerable amount of barite.

CONTINGENCY PLAN

Edge Petroleum Operating Company, Inc.

Prairie Fire State #1

Surface Location - 1980' FNL & 1650' FEL
Section 2 T-21-S R-34-E
Bottom Hole Location - 660' FNL & 660' FEL
Section 2 T21-S R-34-E
Lea County, New Mexico

Prepared For: Edge Petroleum Operating Company, Inc.
Date Prepared: September 11, 2007

Prepared By: **INDIAN**
Fire & Safety, Inc.

TABLE OF CONTENTS

HYDROGEN SULFIDE CONTINGENCY PLAN

SCOPE

THIS CONTINGENCY PLAN ESTABLISHES GUIDELINES FOR THE PUBLIC. ALL COMPANY EMPLOYEES WHO'S WORK ACTIVITIES MAY INVOLVE EXPOSURE TO HYDROGEN SULFIDE (H2S) GAS.

OBJECTIVE

1. PREVENT ANY AND ALL ACCIDENTS, AND PREVENT THE UNCONTROLLED RELEASE OF HYDROGEN SULFIDE INTO THE ATMOSPHERE.

2. PROVIDE PROPER EVACUATION PROCEDURES TO COPE WITH EMERGENCIES.

3. PROVIDE IMMEDIATE AND ADEQUATE MEDICAL ATTENTION SHOULD AN INJURY OCCUR.

DISCUSSION

GEOLOGICAL PROGNOSIS

IMPLEMENTATION:	THIS PLAN WITH ALL DETAILS IS TO BE FULLY IMPLEMENTED BEFORE DRILLING TO PRODUCTION CASING POINT.
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 TO PRODUCTION CASING POINT.
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 THE DRILLING OF THIS WELL.
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.

H2S CONTINGENCY PLAN

EMERGENCY PROCEDURES

A. IN THE EVENT OF ANY EVIDENCE OF H2S LEVEL ABOVE 10 PPM, TAKE THE FOLLOWING STEPS:

1. SECURE BREATHING EQUIPMENT.

2. ORDER NON-ESSENTIAL PERSONNEL OUT OF DANGER ZONE.

3. TAKE STEPS TO DETERMINE IF THE H2S LEVEL CAN BE CORRECTED OR SUPPRESSED AND, IF SO, PROCEED IN NORMAL OPERATION.

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 THE BUREAU OF LAND MANAGEMENT OF THE SITUATION.

2. REMOVE ALL PERSONNEL TO SAFE BREATHING AREA.

3. NOTIFY PUBLIC SAFETY PERSONNEL TO SAFE BREATHING AREA.

4. 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.

EMERGENCY PROCEDURES

*(Procedures are the same for both Drilling and Tripping)

ALL PERSONNEL:

1. ON ALARM. DON ESCAPE UNIT AND REPORT IN UP WIND BRIEFING AREA.
2. CHECK STATUS OF PERSONNEL (BUDDY SYSTEM).
3. SECURE BREATHING EQUIPMENT.
4. AWAIT ORDERS FROM SUPERVISOR.

DRILLING FOREMAN:

1. REPORT TO UP WIND BRIEFING AREA.
2. DON BREATHING EQUIPMENT AND RETURN TO POINT OF RELEASE WITH TOOL PUSHER OR DRILLER (BUDDY SYSTEM).
3. DETERMINE H2S CONCENTRATIONS.
4. ASSESS SITUATION AND TAKE CONTROL MEASURES.

TOOL PUSHER:

1. REPORT TO UP WIND BRIEFING AREA.
2. DON BREATHING EQUIPMENT AND RETURN TO POINT OF RELEASE WITH DRILLING FOREMAN OR DRILLER (BUDDY SYSTEM).
3. DETERMINE H2S CONCENTRATION.
4. ASSESS SITUATION AND TAKE CONTROL MEASURES.

DRILLER:

1. DON ESCAPE UNIT.
2. CHECK MONITOR FOR POINT OF RELEASE.
3. REPORT TO BRIEFING AREA.
4. CHECK STATUS OF PERSONNEL (IN AN ATTEMPT TO RESCUE, USE THE BUDDY SYSTEM).
5. ASSIGNS LEAST ESSENTIAL PERSON TO NOTIFY DRILLING FOREMAN AND TOOL PUSHER BY QUICKEST MEANS IN CASE OF THEIR ABSENCE.
6. ASSUMES THE RESPONSIBILITIES OF THE DRILLING FORMAN AND TOOL PUSHER UNTIL THEY ARRIVE SHOULD THEY BE ABSENT.

EMERGENCY PROCEDURES

DERRICK MAN FLOOR MAN #1 FLOOR MAN #2	1. WILL REMAIN IN BRIEFING AREA UNTIL INSTRUCTED BY SUPERVISOR.
MUD ENGINEER.	1. REPORT TO BRIEFING 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 DRILLING FOREMAN AND REPORT TO BRIEFING AREA.

TAKING A KICK

WHEN TAKING A KICK DURING AN H2S EMERGENCY, ALL PERSONNEL WILL FOLLOW STANDARD BOP PROCEDURES AFTER REPORTING TO BRIEFING AREA AND MASKING UP.

OPEN-HOLE LOGGING

ALL UNNECESSARY PERSONNEL OFF FLOOR. DRILLING FOREMAN AND SAFETY PERSONNEL SHOULD MONITOR CONDITION, ADVISE STATUS AND DETERMINE NEED FOR USE OF AID EQUIPMENT.

RUNNING CASING OR PLUGGING

FOLLOWING THE SAME "TRIPPING" PROCEDURE AS ABOVE. DRILLING FOREMAN 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 COMPANY FOREMAN. IN THE EVENT HE IS INCAPACITATED, IT BECOMES THE RESPONSIBILITY OF THE CONTRACT RIG TOOL PUSHER. 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.

NOTIFY THE DISTRICT OFFICE IF TIME PERMITS, BUT DO NOT DELAY IF HUMAN LIFE IS IN DANGER.

INITIATE FIRST PHASE OF EVACUATION PLAN.

IGNITION PROCEDURES

INSTRUCTIONS FOR IGNITING THE WELL

1. TWO PEOPLE ARE REQUIRED FOR THE ACTUAL IGNITING OPERATION. THEY MUST WEAR SELF-CONTAINED BREATHING UNITS AND HAVE SAFETY ROPE ATTACHED. ONE MAN (TOOL PUSHER OR SAFETY ENGINEER) WILL CHECK THE ATMOSPHERE FOR EXPLOSIVE GASES WITH THE EXPLOSIMETER. THE OTHER MAN (DRILLING FOREMAN) IS RESPONSIBLE FOR IGNITING THE WELL.
2. PRIMARY METHOD TO IGNITE: 25 MM FLARE GUN WITH RANGE OF APPROXIMATELY 500 FEET.
3. IGNITE UP WIND 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 LIMIT THEIR ACTIONS TO THOSE DIRECTED BY THE DRILLING FOREMAN.

REMEMBER: AFTER WELL IS IGNITED, BURNING HYDROGEN SULFIDE WILL CONVERT TO SULFUR DIOXIDE, WHICH IS ALSO HIGHLY TOXIC. DO NOT ASSUME THE AREA IS SAFE AFTER THE WELL IS IGNITED.

TRAINING REQUIREMENTS

WHEN WORKING IN AN AREA WHERE HYDROGEN SULFIDE GAS (H2S) MIGHT BE ENCOUNTERED, DEFINITE TRAINING REQUIREMENTS MUST BE CARRIED OUT. ALL COMPANIES WILL INSURE THAT ALL PERSONNEL AT THE WELL SITE WILL HAVE HAD ADEQUATE TRAINING IN THE FOLLOWING:

1. HAZARDS AND CHARACTERISTICS OF H2S.
2. PHYSICAL EFFECTS OF HYDROGEN SULFIDE ON THE HUMAN BODY.
3. TOXICITY OF HYDROGEN SULFIDE AND SULFUR DIOXIDE.
4. H2S DETECTION.
5. EMERGENCY RESCUE.
6. RESUSCITATORS.
7. FIRST AID AND ARTIFICIAL RESPIRATION.
8. EFFECTS OF H2S ON METALS.
9. LOCATION SAFETY.

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.

H2S CONTINGENCY PLAN

EMERGENCY EQUIPMENT REQUIREMENTS

1. SIGNS

   A. ONE SIGN LOCATED AT LOCATION ENTRANCE WITH THE FOLLOWING LANGUAGE:

(LEASE)
CAUTION – POTENTIAL POISON GAS
HYDROGEN SULFIDE
NO ADMITTANCE WITHOUT AUTHORIZATION

2. 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.

3. HYDROGEN SULFIDE DETECTOR AND ALARMS

   A. H2S MONITORS 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 RED LIGHT, AND TO ALARM AT 15 PPM WITH RED LIGHT AND AUDIBLE ALARM.
   B. HAND OPERATED DETECTORS WITH TUBES.
   C. H2S MONITOR TESTER.

4. CONDITION FLAGS

   A. ONE EACH OF ORANGE, YELLOW, AND RED CONDITION FLAGS TO BE DISPLAYED TO DENOTE CONDITIONS.

GREEN – NORMAL CONDITIONS
YELLOW – POTENTIAL DANGER
RED – DANGER, H2S PRESENT

   B. CONDITION FLAG SHALL BE POSTED AT LOCATION SIGN ENTRANCE.

EMERGENCY EQUIPMENT REQUIREMENTS

5. AUXILIARY RESCUE EQUIPMENT

   A. STRETCHER
   B. 100' LENGTH OF 5/8" NYLON ROPE.

6. MUD INSPECTION DEVICES

   GARRETT GAS TRAIN OR HACH TESTER FOR INSPECTION OF SULFIDE CONCENTRATION IN MUD SYSTEM.

7. FIRE EXTINGUISHER

   ADEQUATE FIRE EXTINGUISHERS SHALL BE LOCATED AT STRATEGIC LOCATIONS.

8. BLOW OUT PREVENTION EQUIPMENT

   THE WELL SHALL HAVE HYDRAULIC BOP EQUIPMENT FOR THE ANTICIPATED BHP OF 1500 PSI. EQUIPMENT IS TO BE TESTED ON INSTALLATION.

9 COMBUSTIBLE GAS DETECTOR

   THERE SHALL BE ONE COMBUSTIBLE GAS DETECTOR ON LOCATION AT ALL TIMES.

10. BOP TESTING

   BOP AND CHOKE LINE AND KILL LINE WILL BE TESTED.

11. AUDIO SYSTEM

   RADIO COMMUNICATION WILL BE AVAILABLE AT THE RIG.
   A. RIG FLOOR OR TRAILER
   B. VEHICLE

12. SPECIAL CONTROL EQUIPMENT

   A. HYDRAULIC BOP EQUIPMENT WITH REMOTE CONTROL ON GROUND.
   B. ROTATING HEAD

EMERGENCY EQUIPMENT REQUIREMENTS

13. EVACUATION PLAN

EVACUATION ROUTES SHOULD BE ESTABLISHED PRIOR TO SPUDDING EACH WELL AND DISCUSSED WITH ALL RIG PERSONNEL.

14. DESIGNATED AREA

A. PARKING AND VISITOR AREA: ALL VEHICLES ARE TO BE PARKED AT A PREDETERMINED SAFE DISTANCE FROM THE WELLHEAD. THIS WILL BE THE DESIGNATED SMOKING AREA.

B. 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.

C. PROTECTION CENTERS OR IF A MOVABLE TRAILER IS USED, IT SHOULD BE DEPT UPWIND OF EXISTING WINDS. WHEN WIND IS FROM THE PREVAILING DIRECTIONS, BOTH PROTECTION CENTERS SHOULD BE ACCESSIBLE.

H2S CONTINGENCY PLAN

STATUS CHECK LIST

NOTE: ALL ITEMS ON THIS LIST MUST BE COMPLETED BEFORE DRILLING TO PRODUCTION CASING POINT.

1. SIGN AT LOCATION ENTRANCE.
2. TWO (2) WIND SOCKS LOCATED AS REQUIRED.
3. TWO (2) 30-MINUTE PRESSURE DEMAND AIR PACKS ON LOCATION FOR ALL RIG PERSONNEL AND MUD LOGGERS.
4. AIR PACK INSPECTED FOR READY USE.
5. CASCADE SYSTEM AND HOSE LINE HOOK-UP.
6. CASCADE SYSTEM FOR REFILLING AIR BOTTLES.
7. SAFE BREATHING AREAS SET UP.
8. CONDITION FLAG ON LOCATION AND READY FOR USE.
9. H2S DETECTION SYSTEM HOOKED UP.
10. H2S ALARM SYSTEM HOOKED UP AND READY.
11. OXYGEN RESUSCITATOR ON LOCATION AND TESTED FOR USE.
12. STRETCHER ON LOCATION AT SAFETY TRAILER.
13. 1 - 100' LENGTH OF NYLON ROPE ON LOCATION.
14. ALL RIG CREW AND SUPERVISORS TRAINED AS REQUIRED.
15. ALL OUTSIDE SERVICE CONTRACTORS ADVISED OF POTENTIAL H2S HAZARD ON WELL.
16. NO SMOKING SIGN POSTED.
17. HAND OPERATED H2S DETECTOR WITH TUBES ON LOCATION.

CHECKED BY:_____ DATE:_____

PROCEDURAL CHECK LIST

PERFORM EACH TOUR:

1. CHECK FIRE EXTINGUISHERS TO SEE THAT THEY HAVE THE PROPER CHARGE.

2. CHECK BREATHING EQUIPMENT TO ENSURE THAT IT HAS NOT BEEN TAMPERED WITH.

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 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.

2. BLOW OUT PREVENTER SKILLS.

3. CHECK SUPPLY PRESSURE ON BOP ACCUMULATOR STAND BY SOURCE.

4. CHECK ALL SKA-PAC UNITS FOR OPERATION: DEMAND REGULATOR, ESCAPE BOTTLE AIR VOLUMES, SUPPLY BOTTLE OF AIR VOLUME.

5. CHECK BREATHING EQUIPMENT MASK ASSEMBLY TO SEE THAT STRAPS ARE LOOSENED AND TURNED BACK, READY TO PUT ON.

6. CHECK PRESSURE ON BREATHING EQUIPMENT AIR BOTTLES TO MAKE SURE THEY ARE CHARGED TO FULL VOLUME.

7 CONFIRM PRESSURE ON ALL SUPPLY AIR BOTTLES.

8. PERFORM BREATHING EQUIPMENT DRILLS WITH ON-SITE PERSONNEL.

9. CHECK THE FOLLOWING SUPPLIES FOR AVAILABILITY.

   A. EMERGENCY TELEPHONE LIST.
   B. HAND OPERATED H2S DETECTORS AND TUBES.

GENERAL EVACUATION PLAN

THE DIRECT LINES OF ACTION PREPARED BY **INDIAN FIRE & SAFETY, INC.** TO PROTECT THE PUBLIC FROM HAZARDOUS GAS SITUATIONS ARE AS FOLLOWS:

1. WHEN THE COMPANY APPROVED SUPERVISOR (DRILLING FOREMAN, 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. ESCAPE ROUTES ARE NOTED ON AREA MAP.

2. "COMPANY MAN" OR DESIGNEE WILL NOTIFY LOCAL GOVERNMENT AGENCY THAT A HAZARDOUS CONDITION EXISTS AND EVACUATION NEEDS TO BE IMPLEMENTED.

3. COMPANY 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.

IMPORTANT: 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.

5. AFTER THE DISCHARGE OF GAS HAS BEEN CONTROLLED, COMPANY SAFETY PERSONNEL WILL DETERMINE WHEN THE AREA IS SAFE FOR RE-ENTRY.

H2S CONTINGENCY PLAN

EMERGENCY ACTIONS

WELL BLOWOUT – IF EMERGENCY

1. EVACUATE ALL PERSONNEL IF POSSIBLE.

2. IF SOUR GAS – EVACUATE RIG PERSONNEL.

3. IF SOUR GAS – EVACUATE PUBLIC WITHIN 3000 FT RADIUS OF EXPOSURE.

4. DON SCBA AND RESCUE.

5. CALL 911 FOR EMERGENCY HELP (FIRE DEPT AND AMBULANCE) AND NOTIFY SR. DRILLING FOREMAN AND DISTRICT FOREMAN

6. GIVE FIRST AID.

PERSON DOWN LOCATION/FACILITY

1. IF IMMEDIATELY POSSIBLE, CONTACT 911. GIVE LOCATION AND WAIT FOR CONFIRMATION.

2. DON SCBA AND RESCUE.

EMERGENCY PHONE LIST

GOVERNMENTAL AGENCIES

Lea County Sheriff's Office		911
Non emergency	505-397-7546	
Fire Department		911
Hobbs - Non-emergency	505-397-9308	
State Police Department		911
Non-emergency	505-392-5588	
Hospital –Lea Regional	505-492-5000	
Bureau of Land Management	505-887-6544	
New Mexico Oil Conservation.....	505-393-6161	
Indian Fire & Safety, Inc.....	505-393-3093	
24 Hour Emergency & Haz Mat.....	800-530-8693	

Emergency Contact List

Edge Petroleum	**Office** - 713-650-8960	**Fax** - 713-650-6493
	Office	**Cell**
Daniel Hurd	713-427-8892	281-814-7084
Ryan Price	713-335-9808	979-574-4502

Permian Rig #1

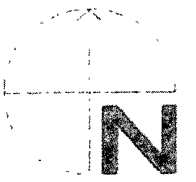
Butch Ford – Tool Pusher	505-441-4651
David Salas – Tool Pusher	505-441-5823
Walt Evens – Asst Supt	505-441-3700
RC Costello – Supt	505-631-2919

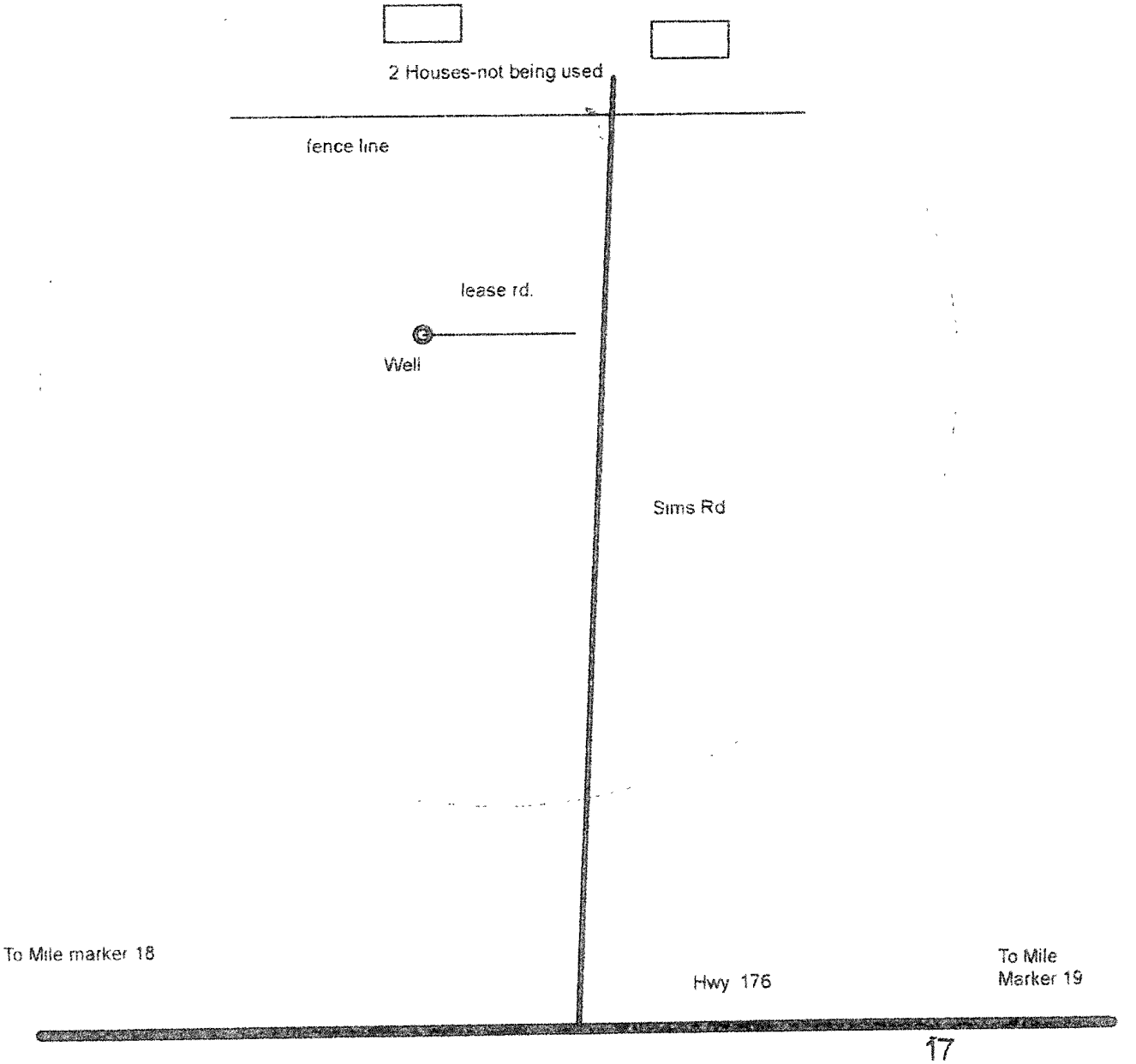
Indian Fire & Safety, Inc.
3317 W. County Road
505-393-3093 - office
800-530-8693 – toll free
505-392-6274 – fax

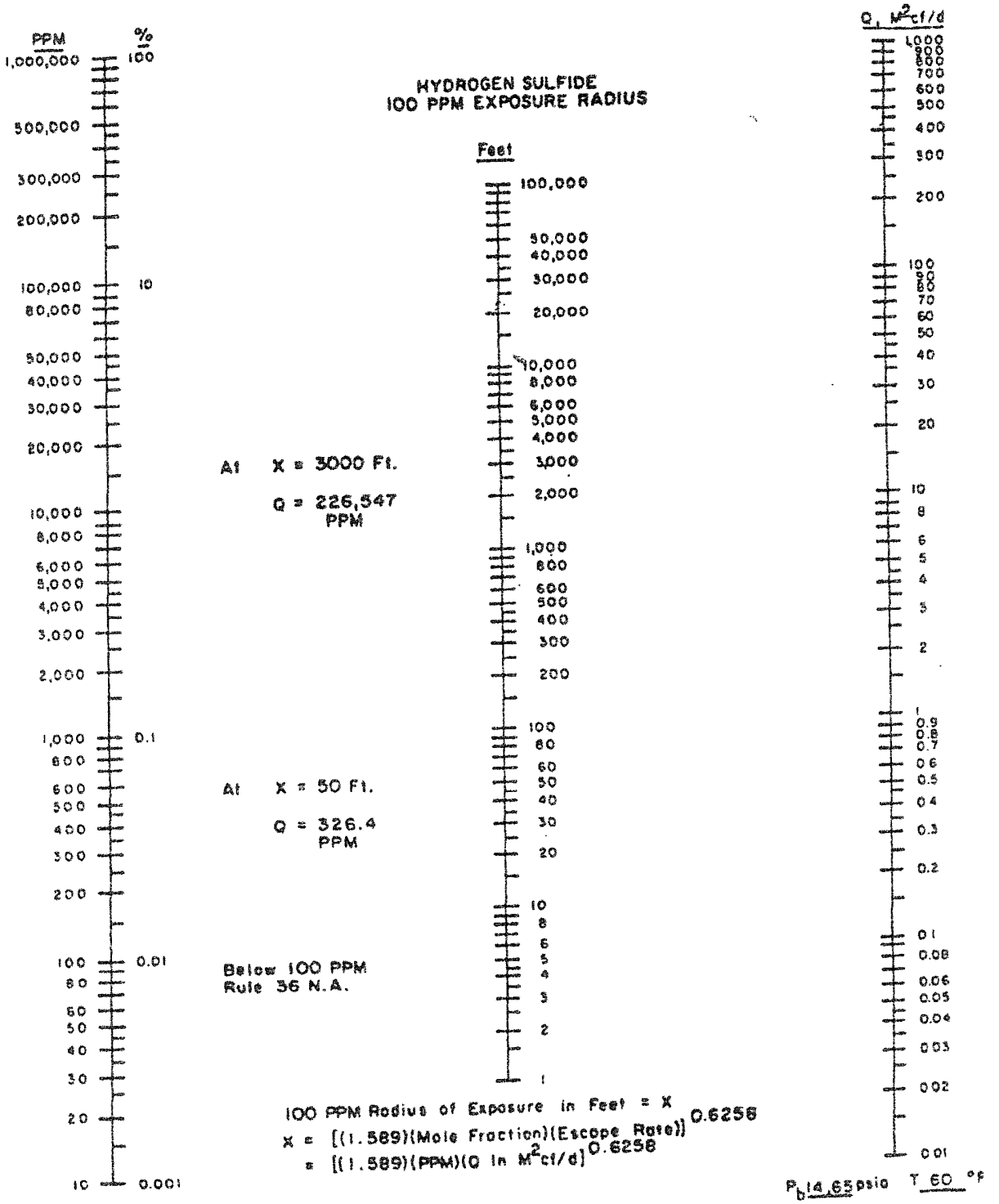
Personnel Contact List

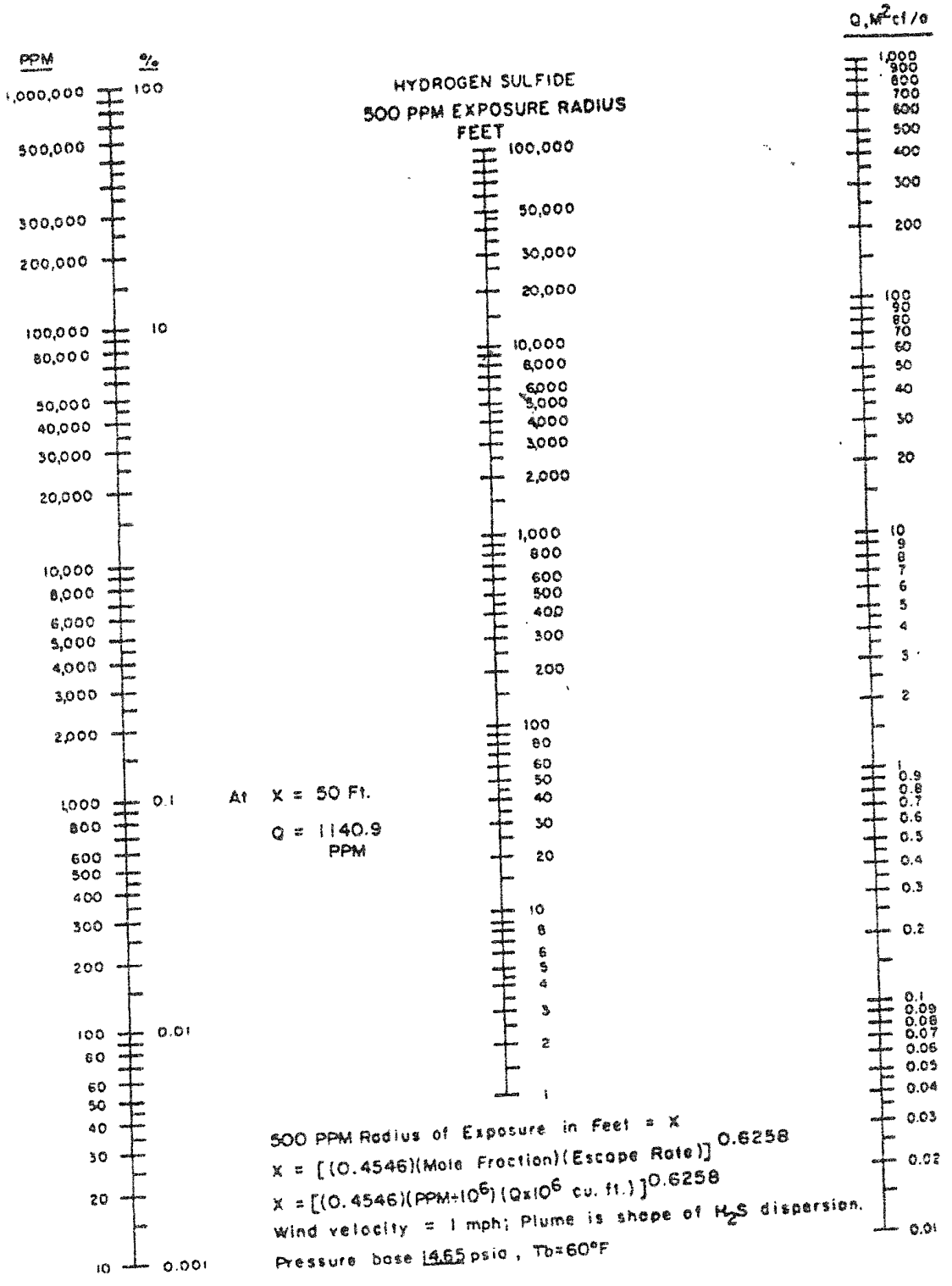
	Cell Phone	Home Phone
Lanny Taylor	631-9755	392-6161
James Spurgeon	390-8582	492-9354
Scott Dudenhoeffer	631-9753	392-4833
Sam Abney	631-9712	393-5427
Curtis Newton	631-1255	393-3762
Chris Spurgeon	806-215-1087	806-592-0079

EDGE PETROLEUM
Prairie Fire State # 1
Sec. 2, T-21-S, R-34 - E
Lea County, NM






HYDROGEN SULFIDE
100 PPM EXPOSURE RADIUS
PPM
%
Feet
Q, M²cf/d
At X = 3000 Ft.
Q = 226,547 PPM
At X = 50 Ft.
Q = 326.4 PPM
Below 100 PPM
Rule 36 N.A.
100 PPM Radius of Exposure in Feet = X
X = [(1.589)(Mole Fraction)(Escape Rate)]^0.6258
= [(1.589)(PPM)(Q in M²cf/d)]^0.6258
Pb 14.65 psia T 60 °F


HYDROGEN SULFIDE
500 PPM EXPOSURE RADIUS
FEET
PPM
%
Q, M²cf/d
At X = 50 Ft.
Q = 1140.9 PPM
500 PPM Radius of Exposure in Feet = X
X = [(0.4546)(Mole Fraction)(Escape Rate)]^0.6258
X = [(0.4546)(PPM÷10^6)(Q×10^6 cu. ft.)]^0.6258
Wind velocity = 1 mph; Plume is shape of H2S dispersion.
Pressure base 14.65 psia, Tb=60°F

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.

TABLE I
TOXICITY OF VARIOUS GASES

COMMON NAME	CHEMICAL FORMULA	SPECIFIC GRAVITY (SC=1)	THRESHOLD LIMIT (1)	HAZARDOUS LIMIT (2)	LETHAL CONCENTRATION (3)
HYDROGEN CYANIDE	HCN	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	COMBUSTIBLE ABOVE 5% IN AIR	

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

PERCENT (%)	PPM	CONCENTRATION GRAINS 100 STD. FT3*	PHYSICAL EFFECTS
0.001	<10	00.65	Obvious and unpleasant odor.
0.002	10	01.30	Safe for 8 hours of exposure.
0.010	100	06.48	Kill smell in 3 – 15 minutes May sting eyes and throat.
0.020	200	12.96	Kills smell shortly: Stings eyes and throat.
0.050	500	32.96	Dizziness; Breathing ceases in a few minutes: Needs prompt artificial respiration.
0.070	700	45.36	Unconscious quickly: Death will result if not rescued promptly.
0.100	1000	64.30	Unconscious at once: Followed by death within minutes.

*AT 15.00 PSIA AND 60°F

USE OF SELF-CONTAINED BREATHING EQUIPMENT

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 FACE-PIECE 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 FOR THE FOLLOWING PERMANENT RECORDS KEPT OF THESE INSPECTIONS.
      1. FULLY CHARGED CYLINDERS.
      2. REGULATOR AND WARNING DEVICE OPERATION.
      3. CONDITION OF FACE PIECE AND CONNECTIONS.
      4. ELASTOMER OR RUBBER PARTS SHALL BE STRETCHED OR MASSAGED 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. (22)

USE OF SELF-CONTAINED BREATHING EQUIPMENT

5. PERSONS ASSIGNED TASKS THAT REQUIRES USE OF SELF-CONTAINED BREATHING EQUIPMENT SHALL BE CERTIFIED PHYSICALLY FIT FOR BREATHING EQUIPMENT USAGE BY THE LOCAL COMPANY PHYSICIAN 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. HOLD YOUR BREATH. (DO NOT INHALE FIRST: STOP BREATHING.)

2. PUT ON BREATHING APPARATUS.

3. REMOVE VICTIM(S) TO FRESH AIR AS QUICKLY AS POSSIBLE. (GO UP-WIND FROM SOURCE OR AT RIGHT ANGLE TO THE WIND. NOT DOWN WIND.)

4. 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.

5. PROVIDE FOR PROMPT TRANSPORTATION TO THE HOSPITAL, AND CONTINUE GIVING ARTIFICIAL RESPIRATION IF NEEDED.

6. 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.

7. 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, AS WELL AS FIRST AID FOR EYES AND SKIN CONTACT WITH LIQUID H2S. EVERYONE NEEDS TO MASTER THESE NECESSARY SKILLS.

EDGE PETROLEUM CORPORATION

July 11, 2007

New Mexico State Land Office
Oil, Gas & Minerals Division
310 Old Santa Fe Trail
Santa Fe, NM 87501-2708

Via Certified Mail # 7004 2510 0002 4915 0390

Re: Exception to Rule 19.15.3.104
Prairie Fire State #1 Reentry
1980' FNL, 1650' FEL
Section 2, T-21-S, R-34-E, N.M.P.M.
Lea County, New Mexico

Gentlemen:

Notice is hereby given that Edge Petroleum Exploration Company ("Edge") plans to operate the proposed reentry on the same spacing unit as the Butkus 2 State No. 1, currently operated by ConocoPhillips. The well will be sidetracked and drilled directionally to a BHL approximately 660' FNL and 660' FEL of said Section 2 to test the Morrow formation at a true vertical depth of 13,600'. OCD Rules require that you must provide a written objection to Edge within 20 days of receipt. This exception is requested due to ConocoPhillips' non-consent election under the Joint Operating Agreement.

Should you have any questions, please contact the undersigned at (713) 427-8883.

Very truly yours,

Casey Quast
Landman

1301 Travis, Suite 2000, Houston, Texas 77002 Phone: 713/654-8960 Fax: 713/654-7722

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

New Mexico State Land Office
Oil, Gas & Minerals Division
310 Old Santa Fe Trail
Santa Fe, NM 87501-2708

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Cheryl Maes ☐ Agent ☐ Addressee

B. Received by (Printed Name) Cheryl Maes | C. Date of Delivery 1/12/09

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☑ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 2510 0002 4915 0390

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

SANTA FE NM 87501 JAN 12 2009

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To SLO NM
Street, Apt. No.; or PO Box No.
City, State, ZIP+4 Prairie Fire

PS Form 3800, August 2006 See Reverse for Instructions

7004 2510 0002 4915 0390

EDGE PETROLEUM CORPORATION

July 11, 2007

Mr. Tom Scarbrough
ConocoPhillips Company
600 N. Dairy Ashford St., 3WL-14066
Houston, Texas 77079-1100

Via facsimile at (832) 486-2674
Via Certified Mail # 7004 2510 0002 4915 0383
Via email: tom.scarbrough@conocophillips.com

Re: Exception to Rule 19.15.3.104
Prairie Fire State #1 Reentry
1980' FNL, 1650' FEL
Section 2, T-21-S, R-34-E, N.M.P.M.
Lea County, New Mexico

Dear Mr. Scarbrough,

RSC Resources, L.P. provided you the attached notice on December 27, 2006 regarding the captioned reentry. Since that time, Edge Petroleum Exploration Company ("Edge") has become operator of said well. As operator, Edge must notify you of the same proposed reentry per the requirements of filing the APD.

Please review the attached letter, and if you have any questions, do not hesitate to call me at (713) 427-8883.

Very truly yours,

Casey Quast
Landman

\cq
attachment

EDGE PETROLEUM CORPORATION

July 11, 2007

Mr. Tom Scarbrough
ConocoPhillips Company
600 N. Dairy Ashford St., 3WL-14066
Houston, Texas 77079-1100

Via facsimile at (832) 486-2674
Via Certified Mail # 7004 2510 0002 4915 0383
Via email: tom.scarbrough@conocophillips.com

Re: Exception to Rule 19.15.3.104
Prairie Fire State #1 Reentry
1980' FNL, 1650' FEL
Section 2, T-21-S, R-34-E, N.M.P.M.
Lea County, New Mexico

Dear Mr. Scarbrough,

Notice is hereby given that Edge Petroleum Exploration Company ("Edge") plans to operate the proposed reentry on the same spacing unit as the Butkus 2 State No. 1, currently operated by ConocoPhillips. The well will be sidetracked and drilled directionally to a BHL approximately 660' FNL and 660' FEL of said Section 2 to test the Morrow formation at a true vertical depth of 13,600'. OCD Rules require that you must provide a written objection to Edge within 20 days of receipt. This exception is requested due to ConocoPhillips' non-consent election under the Joint Operating Agreement.

Should you have any questions, please contact the undersigned at (713) 427-8883.

Very truly yours,

Casey Quast
Landman

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Tom Scarbrough
ConocoPhillips Company
600 N. Dairy Ashford St., 3WL-14066
Houston, Texas 77079-1100

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Tom Scarbrough ☐ Agent ☐ Addressee

B. Received by (Printed Name) Tom Scarbrough
C. Date of Delivery 7-13-07

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 2510 0002 4915 0383

PS Form 3811, February 2004 Domestic Return Receipt Prairie Fire 102595-02-M-1540

U.S. Postal Service
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To Conoco Phillips
Street, Apt. No., or PO Box No.
City, State, ZIP+4 Prairie Fire

PS Form 3800, June 2002 See Reverse for Instructions

7004 2510 0002 4915 0383

TRANSMISSION VERIFICATION REPORT

TIME : 07/11/2007 14:06
NAME : EDGE PETROLEUM
FAX : 7136547722
TEL : 7136548960
SER.# : BRDE6J469696

DATE,TIME	07/11 14:06
FAX NO./NAME	818324862674
DURATION	00:00:23
PAGE(S)	03
RESULT	OK
MODE	STANDARD ECM

EDGE PETROLEUM CORPORATION

1301 TRAVIS STREET, SUITE 2000
HOUSTON, TEXAS 77002
PHONE # (713) 654-8960
FAX # (713) 654-7722

TO:	FROM:
Mr. Tom Scarbrough	Casey Quast
COMPANY:	**DATE:**
ConocoPhillips	July 11, 2007
FAX NUMBER:	**TOTAL NO. OF PAGES INCLUDING COVER:**
(832) 486-2674	3
	PHONE NUMBER:
	(713) 427-8883

RE: Exception to Rule 19.15.3.104
Prairie Fire State #1 Reentry
1980' FNL, 1650' FEL
Section 2, T-21-S, R-34-E, N.M.P.M.
Lea County, New Mexico

☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Notes/Comments: Tom, Please see attached. Thanks, Casey