



e-mail Address



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

2005 SEP 2 AM 9 49

September 1, 2005

Michael E. Stogner
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Southwestern Energy Production Company is requesting approval for of an unorthodox oil well location for the following well:

Well: Karlsbad Corral 2 Well No. 4-H
Location: 10 feet FSL & 1980 feet FWL
Well Unit: SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 2, Township 25 South, Range 29 East,
N.M.P.M., Eddy County, New Mexico

The well will be drilled to test the Cherry Canyon 4 formation (Corral Fly, Delaware Pool). The pool is spaced on 40 acres, with wells to be located no closer than 330 feet to a quarter-quarter section line and for the subject well an exception to this 330' requirement is requested. A form C-102 is attached as Exhibit A.

The proposed location is based on engineering and land conservation reasons. The proposed well, Karlsbad Corral 2 #4-H, will be directionally drilled from an unorthodox surface location 10 feet from the South Line and 1980 feet from the West Line of Section 2 to a bottom hole location 2,477 feet from the South Line and 1,980 feet from the West line.

The well plan consists of drilling a vertical hole to the KOP (kick off point) at 4,803' MD/TVD. The hole will be directional drilled utilizing a build rate of 12°/100' to penetrate the Cherry Canyon 4 Sand at 5,552' MD / 5,280' TVD at 90° of angle. The Cherry Canyon 4 will be intersected at 477' FSL and 1980' FWL of Section 2 T25S R29E. The well will continue laterally (90°) for 2000' of vertical displacement. The proposed BHL will be 2,487' FSL & 1,980' FWL of section 2. The top of the Delaware will be intersected at 3200' MD/TVD at 10' FSL and 1980' FWL of Section 2. A drilling prognosis, directional plot, and proposed survey report are attached as Exhibit B.

Production casing will be run and cemented to TD. The Cherry Canyon 4 Sand will be selectively perforated, with all perforations being placed in accordance of a standard location of Section 2 T25S R29E (greater than 330' from any lease line).

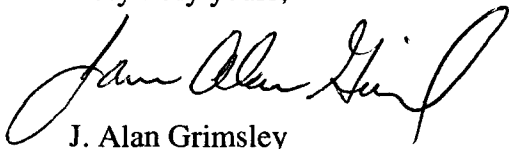
By placing the surface location at 10' FSL and 1980' FWL of Section 2, the maximum amount of reservoir rock in the Cherry Canyon 4 Sand in the producing area can be penetrated and produced. The proposed surface location also allows for partial utilization of the existing well pad that was utilized in drilling the Karlsbad Corral 11 #1-H well. A diagram of the proposed well pad is attached as Exhibit C.

Furthermore, Southwestern Energy Production Company has gained access to the mineral interests to the Cherry Canyon formation in the Delaware Mountain Group of Section 2 and Section 11 via farmout agreements with Devon Energy (Lease Serial No. V-3361), and EOG (Lease Serial No. 3633-2) , respectfully. Drilling commitment deadlines have been extended in both of these agreements, but require a new well to be drilled in Section 2 by December 7th and a new well to be drilled in Section 11 before January 5th. A land plat is attached as Exhibit D.

Your timely approval of this unorthodox location is requested in order to meet the above mentioned farmout requirements.

If you have any questions, I can be reached at 281-618-4068.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Alan Grimsley". The signature is fluid and cursive, with the first name "J. Alan" and last name "Grimsley" clearly distinguishable.

J. Alan Grimsley
Southwestern Energy Production Co.

Attachments
CC: District 2

DISTRICT I

1625 N. FRENCH DR., HORBS, NM 86240

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code		Pool Name	
Property Code		Property Name KARLSBAD CORRAL 2			Well Number 4-H
OGRID No.		Operator Name SOUTHWESTERN ENERGY PRODUCTION COMPANY			Elevation 3062'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	25-S	29-E		10	SOUTH	1980	WEST	EDDY

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
K	2	25-S	29-E		2487	SOUTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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

LOT 4	LOT 3	LOT 2	LOT 1
BOTTOM HOLE Y=421650.3 N X=616512.5 E GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=419173.4 N X=616512.8 E LAT.=32°09'06.71" N LONG.=103°57'24.69" W			
1980' B.H. GRID AZ = 359°59'32" H.D. 2477.4 2487' 10' S.L.			

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

James Alan Grimsley
Signature
James Alan Grimsley
Printed Name
Drilling Engineer
Title
9/1/05
Date

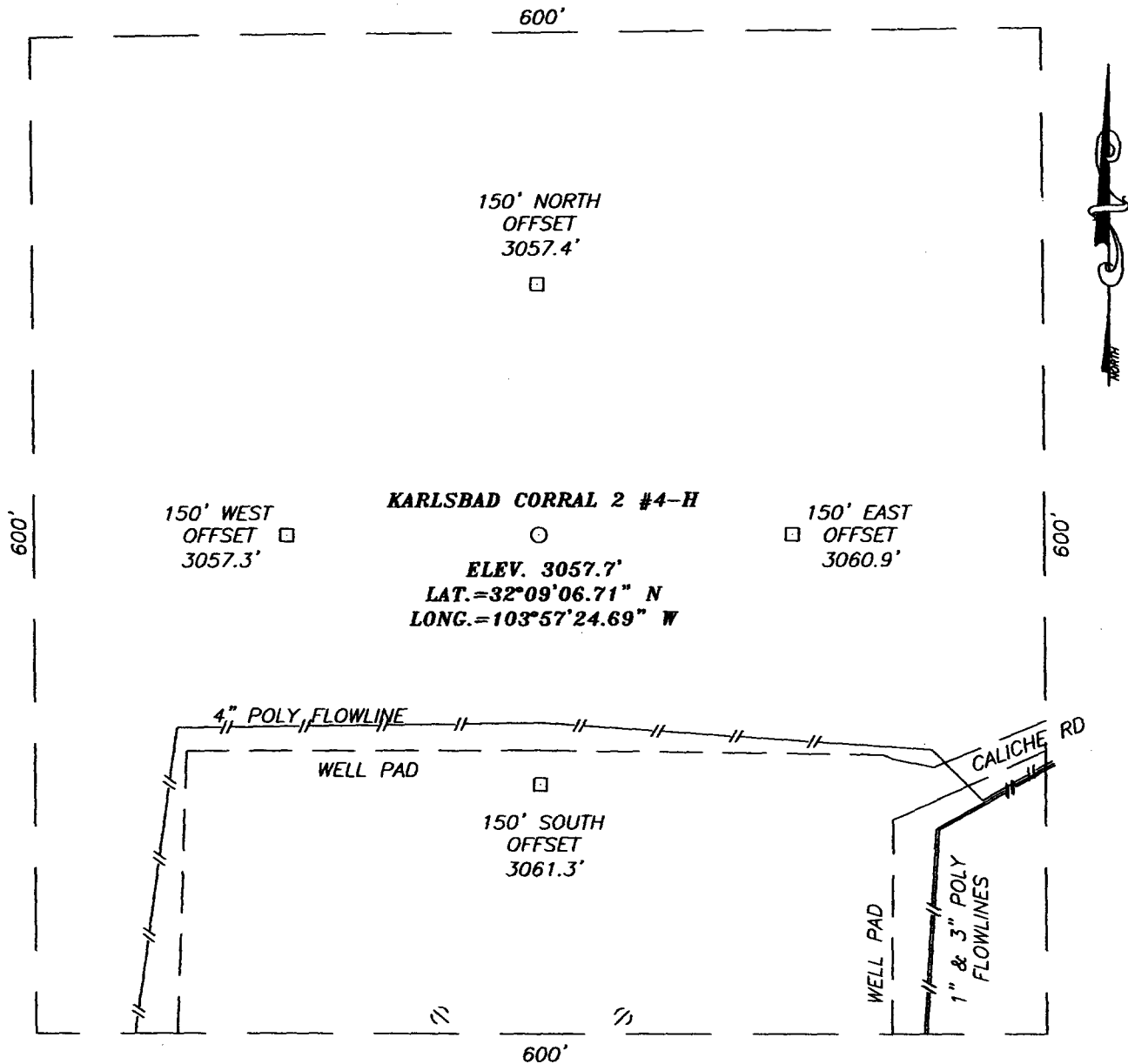
SURVEYOR CERTIFICATION

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.

AUGUST 22, 2005

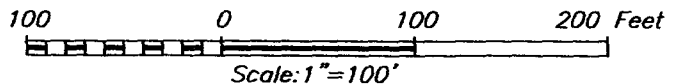
Date Surveyed
Signature of Surveyor
Professional Surveyor
GARY E. GIBSON
NEW MEXICO
05.11.12841
Certificate No. GARY E. GIBSON
12841

SECTION 2, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #746 (Mc DONALD RD.) AND CO. RD. #746A (GAVILAN RD.). GO SE ON CO. RD. #746A APPROX. 2.0 MILES. TURN RIGHT (SOUTH) AND GO APPROX. 0.1 MILES TO A "T" INTERSECTION. TURN LEFT (SE) AND GO APPROX. 1.2 MILES TO A "Y" INTERSECTION. GO RIGHT (WEST) AND GO APPROX. 3.5 MILES. TURN LEFT (SOUTH) AND GO APPROX. 0.5 MILES. TURN RIGHT (WEST) AND GO APPROX. 0.4 MILES TO THE KARLSBAD CORRAL 11 #1H WELL SITE. THIS LOCATION IS APPROX. 344' NORTH OF EXISTING WELL.



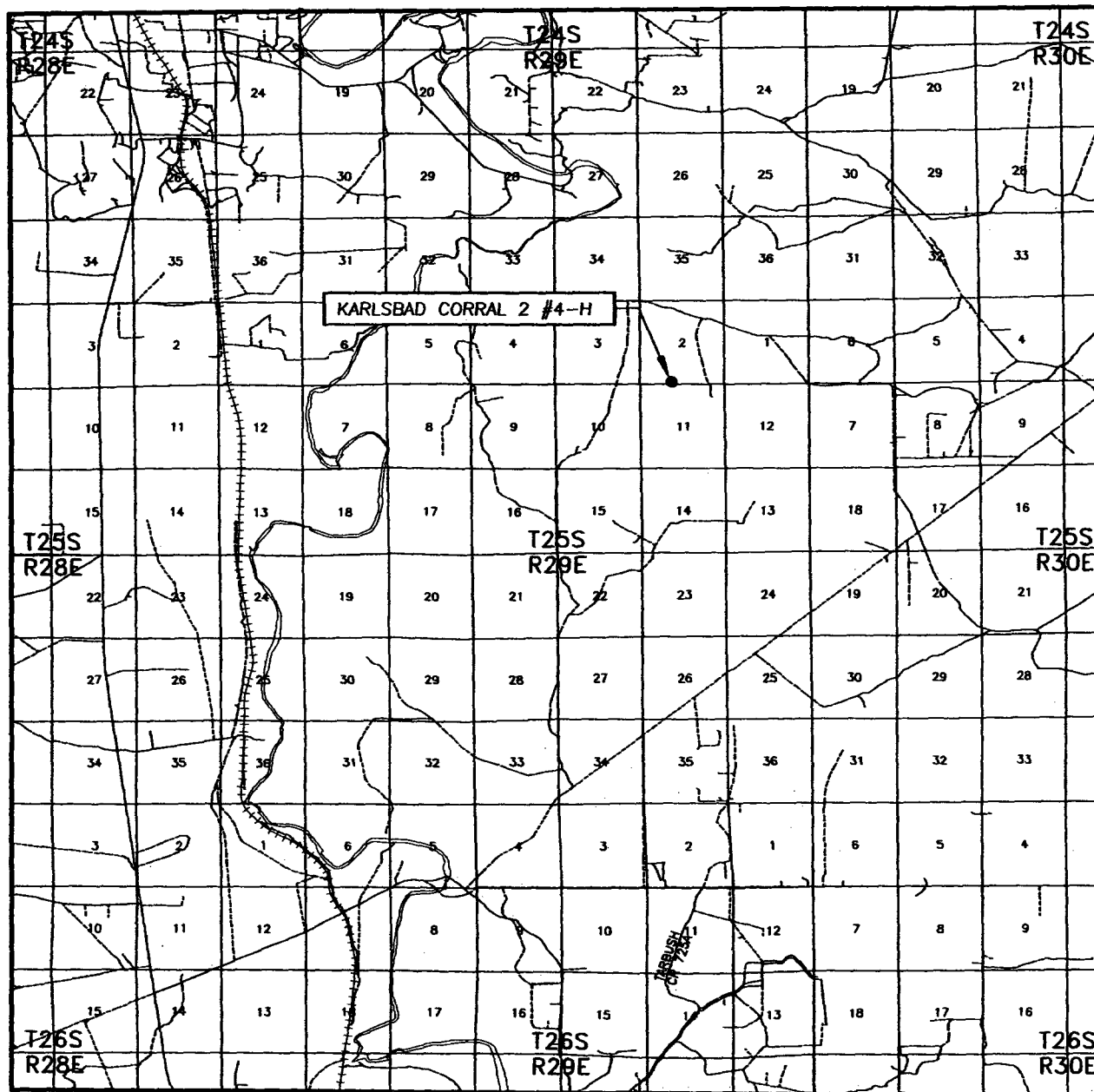
SOUTHWESTERN ENERGY PRODUCTION COMPANY

KARLSBAD CORRAL 2 #4-H WELL
 LOCATED 10 FEET FROM THE SOUTH LINE
 AND 1980 FEET FROM THE WEST LINE OF SECTION 2,
 TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 08/22/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.1298	Dr By: DEL
Date: 08/25/05	Rev 1:N/A
Disk: CD#4	05111298
	Scale: 1"=100'

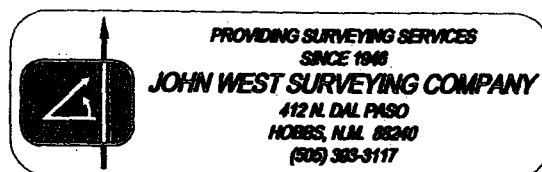
PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 383-3117

VICINITY MAP

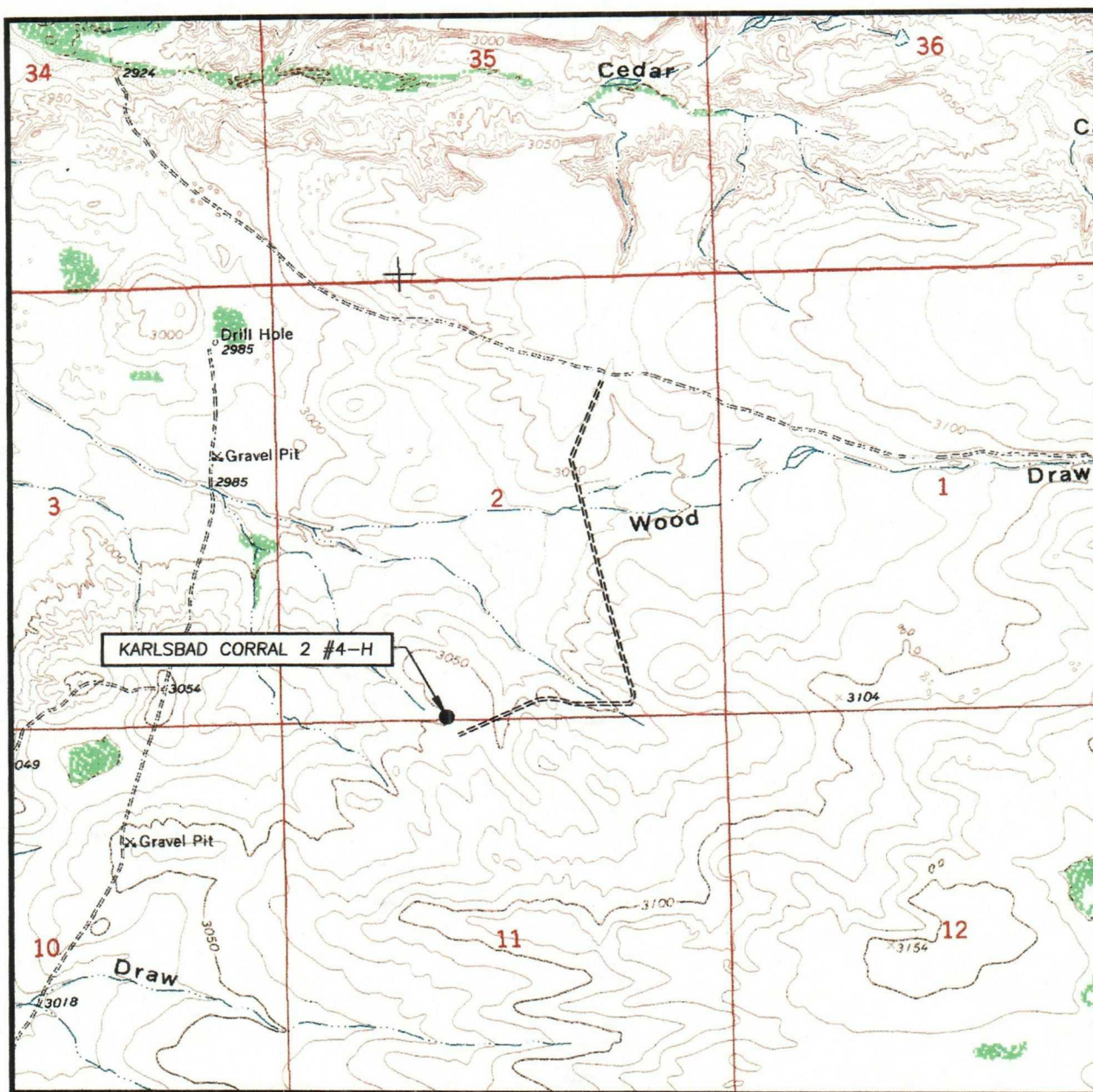


SCALE: 1" = 2 MILES

SEC. 2 TWP. 25-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 10' FSL & 1980' FWL
 ELEVATION 3058'
 OPERATOR SOUTHWESTERN ENERGY PRODUCTION COMPANY
 LEASE KARLSBAD CORRAL 2



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
PIERCE CANYON, N.M. - 10'

SEC. 2 TWP. 25-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY

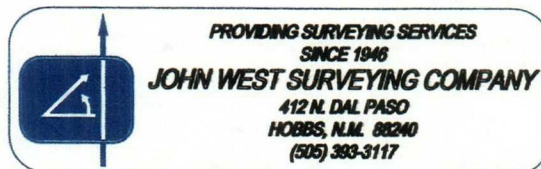
DESCRIPTION 10' FSL & 1980' FWL

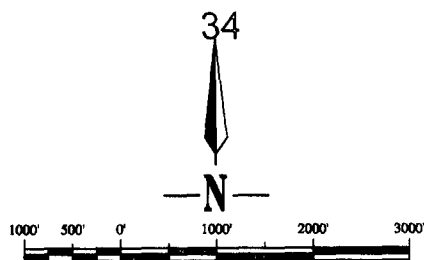
ELEVATION 3058'

OPERATOR SOUTHWESTERN ENERGY
PRODUCTION COMPANY

LEASE KARLSBAD CORRAL 2

U.S.G.S. TOPOGRAPHIC MAP
PIERCE CANYON, N.M.





Corral Fly 35 Fed
273810000 1
273810001
273810002 14,000 35

228280001 1
228280002
228280003 WD-1
14,395 36

3 EASTLAND OIL
New Year Fed
243890000 1
5,850

SWN
Karlsbad Corral 2
7,300
SANTA FE ENERGY
Corral Fly Unit
285760000 1
14,002
SWN
Karlsbad Corral 2 S
1H
333240000
7,240
SWN
Karlsbad Corral 2
API 4H
P.T.D. 7,300

SWESTERN ENERGY PROD
Karlsbad Corral 2 S
337220000
335320000
4,784

SANTA FE ENERGY
Corral Fly 11 Sta
287160000 1
8,395

NGTON RESRCS
al Draw '9' Fed

BETTIS BOYLE&STOVALL
Pickett Draw Fed
258670000 2
258670001
OYLE&STOVALL
ft Draw Fed 3 14,000
268890000
5,202

25S 29E

15 MOBIL
Latham Fed
227520000 1
5,300

MOBIL
Latham Fed
247310000 2
5,500

SWN
Karlsbad Corral 11
339830000 1H
7,300

MOBIL
Corral Draw Unit
218540000 1
15,585

POGO PROD
Bradley '13' Fed
317040000 4
8,600

POGO PROD
Bradley '13' Fed
292560000 1
8,500

POGO PROD
Bradley '13' Fed
292570000 2 6,000



**SOUTHWESTERN
ENERGY COMPANY**

CORRAL FLY PROSPECT
EDDY COUNTY, NEW MEXICO

KARLSBAD CORRAL #4-H

INTERP. BY: BRUCH ELIJAH DATE: 02-AUG-05
DRAFTED BY: S.D.P. CADFILE: s:\corral fly\corral fly_ec3_chp6-19-05
PROJECTION: NEW MEXICO EAST NAD 27

Southwestern Energy & Production Co. Karlsbad Corral 2 #4H Section 2, T25-S, R29-E Eddy County, New Mexico Plan #1 081805

ANNOTATIONS

No.	TVD	MD	Annotation
1	4802.54	KOP @ 4803' w/ 12° Build Rate	
2	5280.00	End of Curve @ 5553' MD / 5280' TVD	

SITE DETAILS

Karlsbad Corral 2 #4H
 Eddy County, New Mexico
 Section 2, T25-S, R29-E

Ground Level: 0.00
 Positional Uncertainty: 0.00
 Convergence: 0.00

TARGET DETAILS

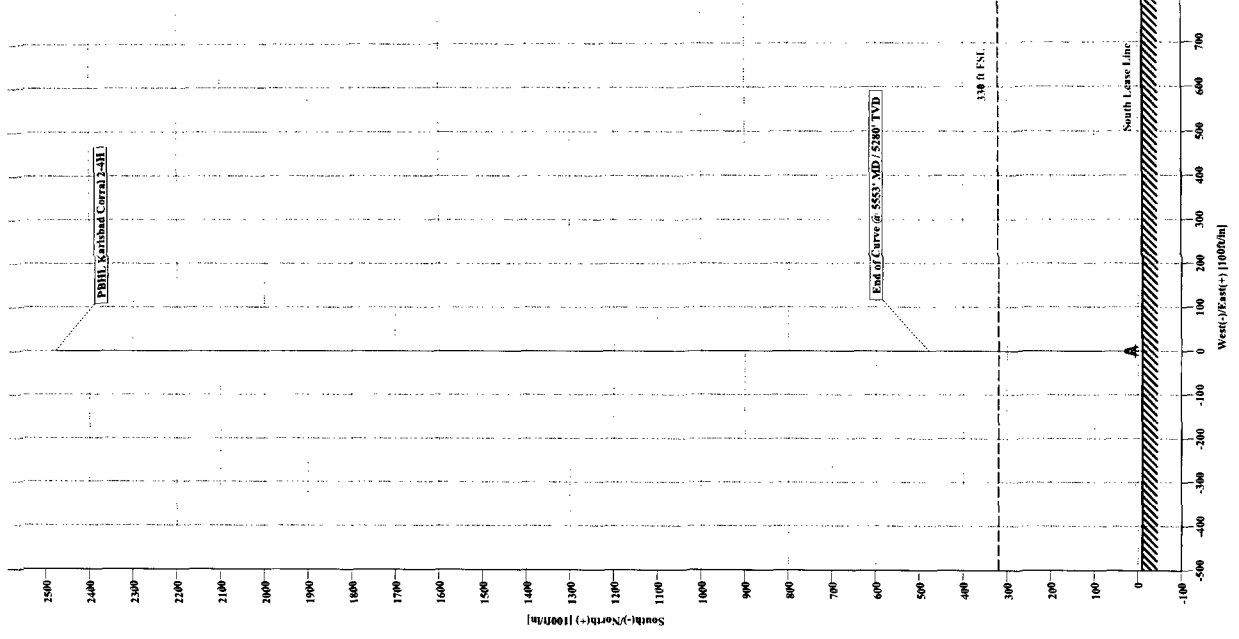
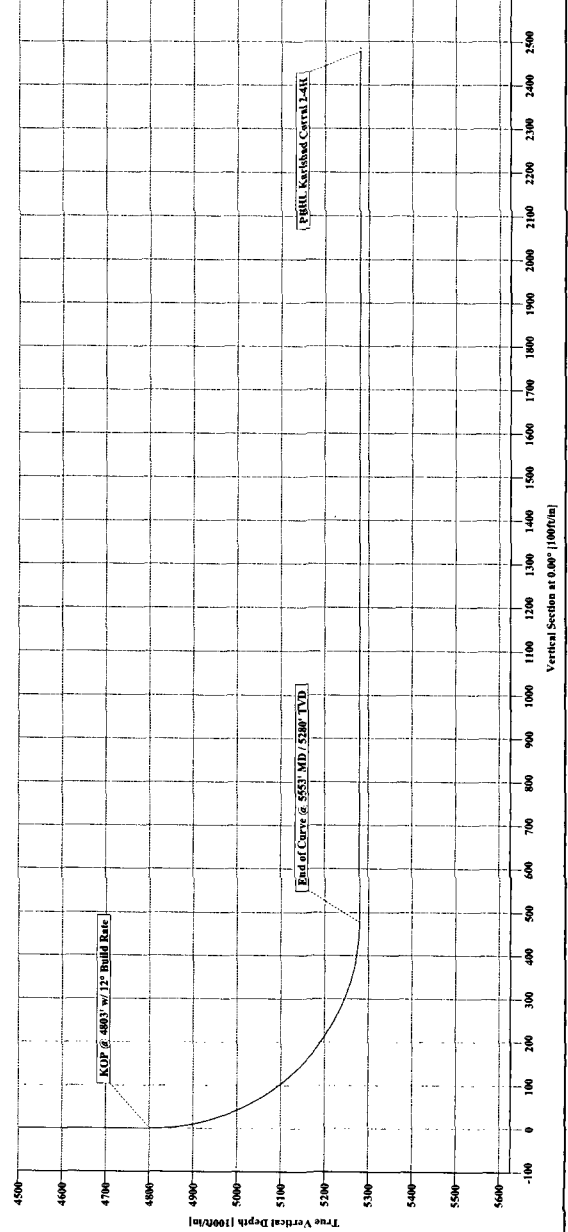
Name	TVD	+N/-S	+E/-W	Shape
PBHL Karlsbad Corral 2-4H	5280.00	2477.46	0.00	Point



Azimuths to Grid North
 True North: 0.00°
 Magnetic North: 0.00°
 Magnetic Field
 Strength: 0.00
 Declination: 0.00°
 Date: 1/8/2005
 Model: IGR2005

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4802.54	0.00	0.00	4802.54	0.00	0.00	0.00	0.00	0.00	
3	5552.53	90.00	0.00	5280.00	477.46	0.00	12.00	0.00	477.46	
4	7552.53	90.00	0.00	5280.00	2477.46	0.00	0.00	0.00	2477.46	PBHL Karlsbad Corral 2-4H





Company: Southwestern Energy & Products Field: Karlsbad Corral Section 2 Site: Karlsbad Corral 2 #4-H Well: Karlsbad Corral 2 #4H Wellpath: Original Hole				Date: 8/18/2005 Co-ordinate(NE) Reference: Well: Karlsbad Corral 2 #4H, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi) Plan: Plan #1 081805				Time: 10:11:45 Page: 1		
Field: Karlsbad Corral Section 2 Eddy County, New Mexico				Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level				Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005		
Site: Karlsbad Corral 2 #4-H Eddy County, New Mexico Section 2, T25-S, R29-E				Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 0.00 ft				Northing: ft Easting: ft Latitude: Longitude: North Reference: Grid Grid Convergence: 0.00 deg		
Well: Karlsbad Corral 2 #4H				Slot Name:						
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft				Northing: 0.00 ft Easting : 0.00 ft				Latitude: 30 59 24.512 N Longitude: 105 55 44.137 W		
Wellpath: Original Hole				Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 0.00 deg Mag Dip Angle: 0.00 deg +E/-W ft Direction deg						
Current Datum: SITE Magnetic Data: 8/18/2005 Field Strength: 0 nT Vertical Section: Depth From (TVD) ft 0.00				Height 0.00 ft +N/-S ft 0.00						
Plan: Plan #1 081805 Principal: No				Date Composed: 8/18/2005 Version: 1 Tied-to: From Surface						
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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4802.54	0.00	0.00	4802.54	0.00	0.00	0.00	0.00	0.00	0.00	
5552.53	90.00	0.00	5280.00	477.46	0.00	12.00	12.00	0.00	0.00	
7552.53	90.00	0.00	5280.00	2477.46	0.00	0.00	0.00	0.00	0.00	PBHL Karlsbad Corral 2-4H
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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.0				

PathFinder

Planning Report

Company: Southwestern Energy & Product
 Field: Karlsbad Corral Section 2
 Site: Karlsbad Corral 2 #4-H
 Well: Karlsbad Corral 2 #4H
 Wellpath: Original Hole

Date: 8/18/2005 Time: 10:11:45 Page: 2
 Co-ordinate(NE) Reference: Well: Karlsbad Corral 2 #4H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
 Plan: Plan #1 081805

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
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4802.54	0.00	0.00	4802.54	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 4803' w/ 12° Build
4825.00	2.70	0.00	4824.99	0.53	0.00	0.53	12.00	12.00	0.00	
4850.00	5.70	0.00	4849.92	2.36	0.00	2.36	12.00	12.00	0.00	
4875.00	8.70	0.00	4874.72	5.49	0.00	5.49	12.00	12.00	0.00	
4900.00	11.70	0.00	4899.32	9.91	0.00	9.91	12.00	12.00	0.00	
4925.00	14.70	0.00	4923.66	15.62	0.00	15.62	12.00	12.00	0.00	
4950.00	17.70	0.00	4947.67	22.59	0.00	22.59	12.00	12.00	0.00	
4975.00	20.70	0.00	4971.27	30.81	0.00	30.81	12.00	12.00	0.00	
5000.00	23.70	0.00	4994.42	40.25	0.00	40.25	12.00	12.00	0.00	
5025.00	26.70	0.00	5017.04	50.89	0.00	50.89	12.00	12.00	0.00	
5050.00	29.70	0.00	5039.07	62.70	0.00	62.70	12.00	12.00	0.00	
5075.00	32.70	0.00	5060.45	75.65	0.00	75.65	12.00	12.00	0.00	
5100.00	35.70	0.00	5081.13	89.70	0.00	89.70	12.00	12.00	0.00	
5125.00	38.70	0.00	5101.04	104.81	0.00	104.81	12.00	12.00	0.00	
5150.00	41.70	0.00	5120.13	120.95	0.00	120.95	12.00	12.00	0.00	
5175.00	44.70	0.00	5138.36	138.06	0.00	138.06	12.00	12.00	0.00	
5200.00	47.70	0.00	5155.66	156.10	0.00	156.10	12.00	12.00	0.00	
5225.00	50.70	0.00	5172.00	175.02	0.00	175.02	12.00	12.00	0.00	
5250.00	53.70	0.00	5187.32	194.77	0.00	194.77	12.00	12.00	0.00	
5275.00	56.70	0.00	5201.59	215.29	0.00	215.29	12.00	12.00	0.00	
5300.00	59.70	0.00	5214.76	236.54	0.00	236.54	12.00	12.00	0.00	
5325.00	62.70	0.00	5226.80	258.44	0.00	258.44	12.00	12.00	0.00	

PathFinder

Planning Report

Company: Southwestern Energy & Products
Field: Karlsbad Corral Section 2
Site: Karlsbad Corral 2 #4-H
Well: Karlsbad Corral 2 #4H
Wellpath: Original Hole

Date: 8/18/2005 **Time:** 10:11:45 **Page:** 3
Co-ordinate(NE) Reference: Well: Karlsbad Corral 2 #4H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #1 081805

Survey

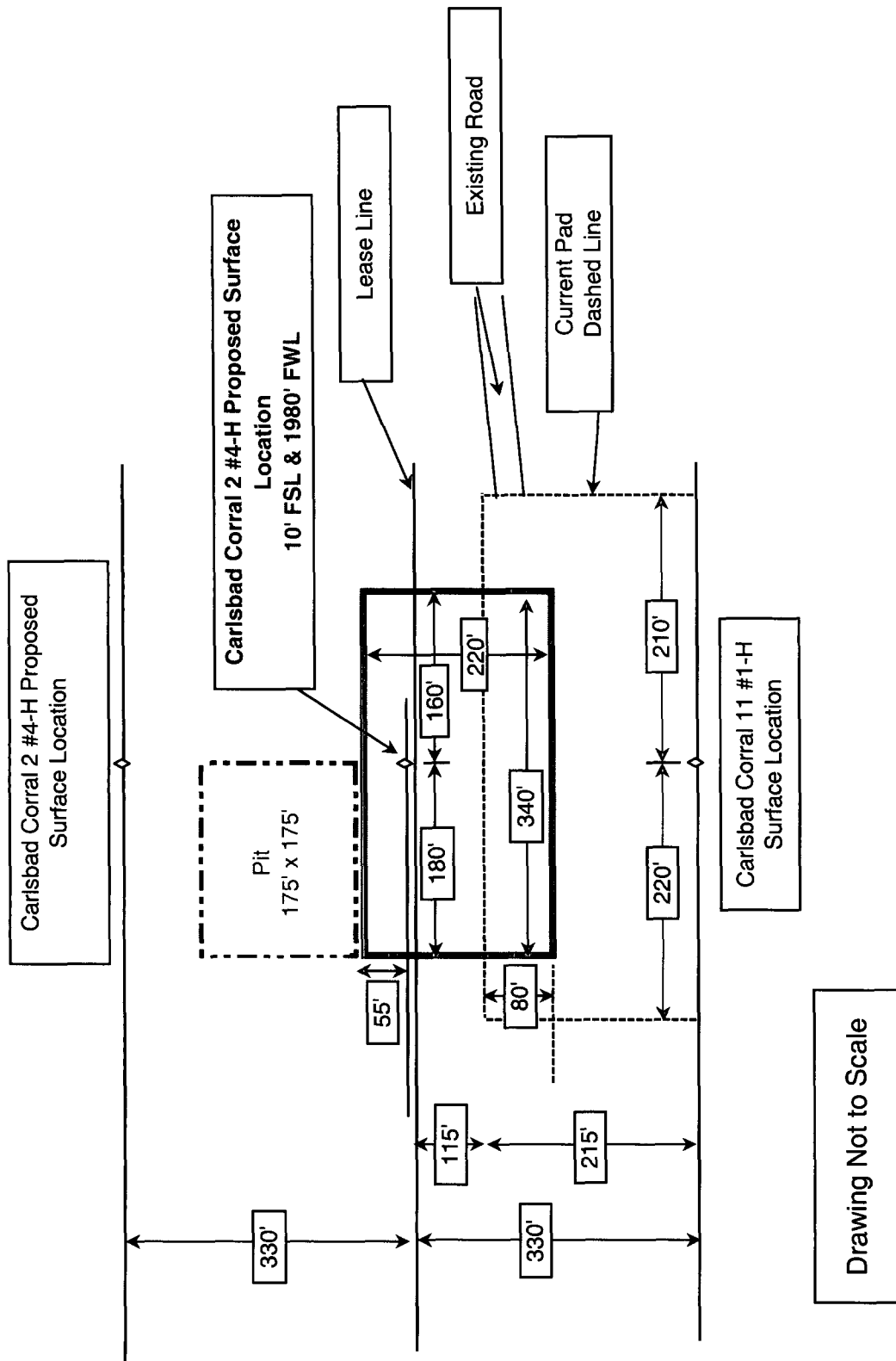
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5350.00	65.70	0.00	5237.68	280.95	0.00	280.95	12.00	12.00	0.00	
5375.00	68.70	0.00	5247.37	303.99	0.00	303.99	12.00	12.00	0.00	
5400.00	71.70	0.00	5255.84	327.51	0.00	327.51	12.00	12.00	0.00	
5425.00	74.70	0.00	5263.07	351.44	0.00	351.44	12.00	12.00	0.00	
5450.00	77.70	0.00	5269.03	375.71	0.00	375.71	12.00	12.00	0.00	
5475.00	80.70	0.00	5273.72	400.27	0.00	400.27	12.00	12.00	0.00	
5500.00	83.70	0.00	5277.11	425.03	0.00	425.03	12.00	12.00	0.00	
5525.00	86.70	0.00	5279.21	449.94	0.00	449.94	12.00	12.00	0.00	
5550.00	89.70	0.00	5279.99	474.93	0.00	474.93	12.00	12.00	0.00	
5552.53	90.00	0.00	5280.00	477.46	0.00	477.46	12.00	12.00	0.00	End of Curve @ 5553' MD /
5600.00	90.00	0.00	5280.00	524.93	0.00	524.93	0.00	0.00	0.00	
5700.00	90.00	0.00	5280.00	624.93	0.00	624.93	0.00	0.00	0.00	
5800.00	90.00	0.00	5280.00	724.93	0.00	724.93	0.00	0.00	0.00	
5900.00	90.00	0.00	5280.00	824.93	0.00	824.93	0.00	0.00	0.00	
6000.00	90.00	0.00	5280.00	924.93	0.00	924.93	0.00	0.00	0.00	
6100.00	90.00	0.00	5280.00	1024.93	0.00	1024.93	0.00	0.00	0.00	
6200.00	90.00	0.00	5280.00	1124.93	0.00	1124.93	0.00	0.00	0.00	
6300.00	90.00	0.00	5280.00	1224.93	0.00	1224.93	0.00	0.00	0.00	
6400.00	90.00	0.00	5280.00	1324.93	0.00	1324.93	0.00	0.00	0.00	
6500.00	90.00	0.00	5280.00	1424.93	0.00	1424.93	0.00	0.00	0.00	
6600.00	90.00	0.00	5280.00	1524.93	0.00	1524.93	0.00	0.00	0.00	
6700.00	90.00	0.00	5280.00	1624.93	0.00	1624.93	0.00	0.00	0.00	
6800.00	90.00	0.00	5280.00	1724.93	0.00	1724.93	0.00	0.00	0.00	
6900.00	90.00	0.00	5280.00	1824.93	0.00	1824.93	0.00	0.00	0.00	
7000.00	90.00	0.00	5280.00	1924.93	0.00	1924.93	0.00	0.00	0.00	
7100.00	90.00	0.00	5280.00	2024.93	0.00	2024.93	0.00	0.00	0.00	
7200.00	90.00	0.00	5280.00	2124.93	0.00	2124.93	0.00	0.00	0.00	
7300.00	90.00	0.00	5280.00	2224.93	0.00	2224.93	0.00	0.00	0.00	
7400.00	90.00	0.00	5280.00	2324.93	0.00	2324.93	0.00	0.00	0.00	
7500.00	90.00	0.00	5280.00	2424.93	0.00	2424.93	0.00	0.00	0.00	
7552.53	90.00	0.00	5280.00	2477.46	0.00	2477.46	0.00	0.00	0.00	PBHL Karlsbad Corral 2-4H

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		
PBHL Karlsbad Corral 2-4H		5280.00	2477.46	0.00	2477.46	0.00	30	59	49.025 N	105	55	44.545 W

Annotation

MD ft	TVD ft	
4802.54	4802.54	KOP @ 4803' w/ 12° Build Rate
5552.53	5280.00	End of Curve @ 5553' MD / 5280' TVD



Drawing Not to Scale



DRILLING PROGNOSIS
Southwestern Energy Production Company

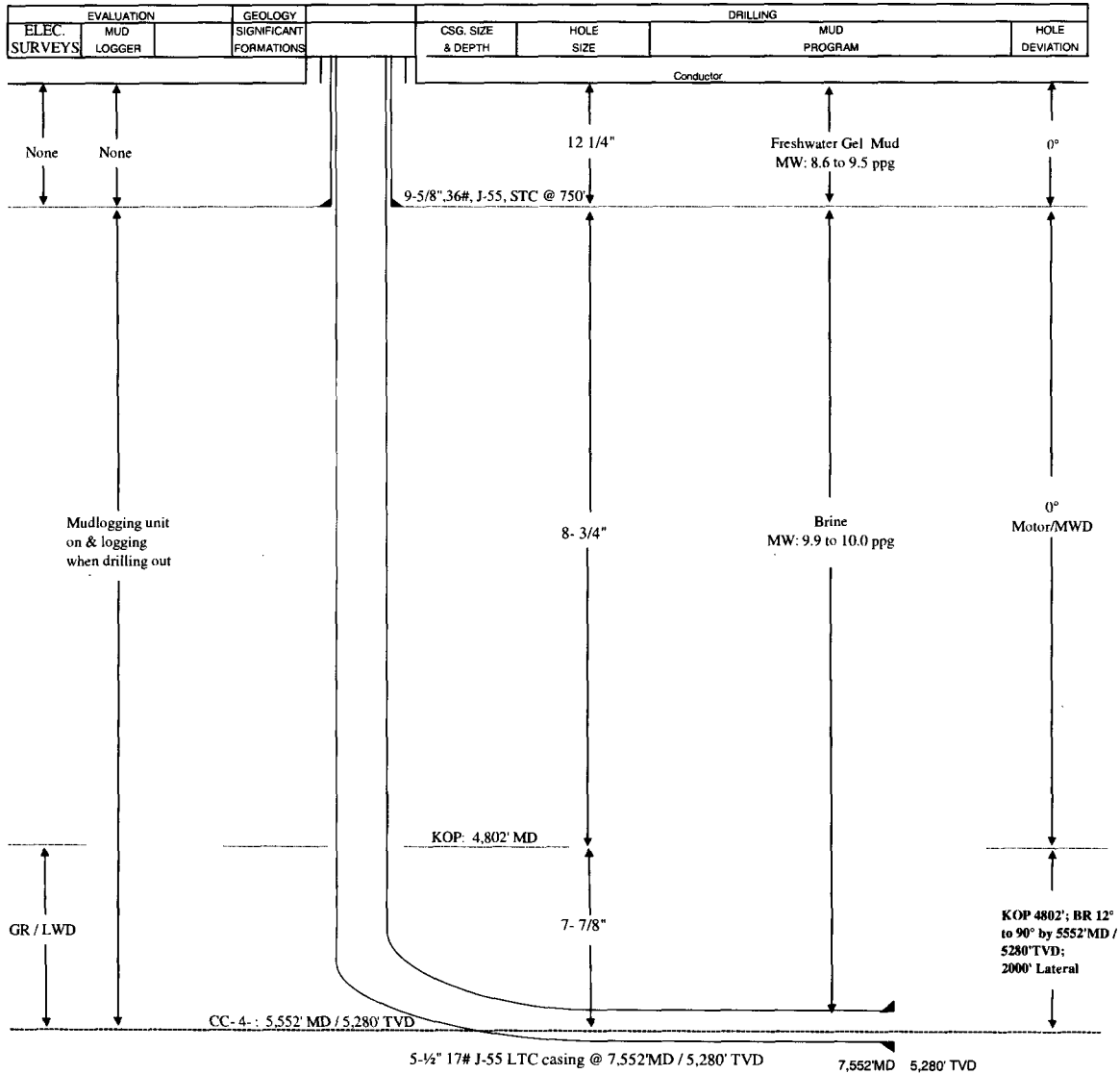
WELL NAME: Karsbad Corral Fly 2 #4-H

AFE NO.

LOCATION: Sec. 2, T25S, R29E
Eddy County NM
SL: 10' FSL 1980' FWL
BHL: 2487' FSL 1980' FWL
TGT ENTRY PT: 477' FSL 1980' FWL
OBJECTIVE: Cherry Canyon Sd, CC-4

PROSPECT: Corral Fly

EST. ELEVATION: GL 3062'; RKB $\pm 17'$



Gr. Elev. -3055' RKB-17' RKB Elev. -3072'
Est. Top CC4 - 5,280' TVD
Est. Btm CC4 - 5280' TVD
Lateral drilled @ 1° _____ dip(____ to ____)