

Southwestern

DATE IN 5/17/06	SUSPENSE 6-6-06	ENGINEER MIKE STOGNER	LOGGED IN 5/18/06	TYPE NSL	APP NO. PTD50613831266
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

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

May 18, 2005

2006 MAY 17 AM 9 46

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 11 Well No. 2-H
Location: 65 feet FNL & 660 feet FWL
Well Unit: NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11, 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) and evaluate the Brushy Canyon formation for future development. 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 11 #2-H, will be directionally drilled from an unorthodox surface location 65 feet from the North Line and 660 feet from the West Line of Section 11 to a bottom hole location 2,563 feet from the North Line and 660 feet from the West line.

The well plan consists of drilling a vertical pilot hole to 6,200' MD where wireline logs will be run and evaluated. A cement plug will be set to isolate the Brushy Canyon Sands and the well be sidetracked at the KOP (kick off point) at 4,838' MD/TVD. The hole will be directional drilled utilizing a build rate of 12°/100' to penetrate the Cherry Canyon 4 Sand at 5,563' MD / 5,315' TVD at 87° of angle. The Cherry Canyon 4 will be intersected at 518' FNL and 660' FWL of Section 11 T25S R29E. The well will continue laterally (90°) for 2000' of vertical displacement. The proposed BHL will be 2,563' FNL & 660' FWL of section 2. The top of the Delaware will be intersected at 3200' MD/TVD at 10' FNL and 660' FWL of Section 11. 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 11 T25S R29E (greater than 330' from any lease line).

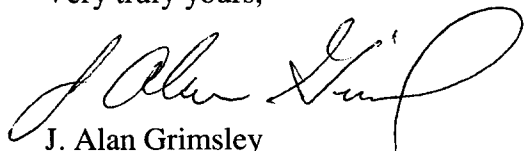
By placing the surface location at 65' FNL and 660' FWL of Section 11, the maximum amount of reservoir rock in the Cherry Canyon 4 Sand in the producing area can be penetrated and produced. The proposed surface location also allows for utilization of one (1) well pad for two wells, the Karlsbad Corral 2 #5-H and the Karlsbad Corral 11 # 2-H. A separate NSL has been approved for the Karlsbad Corral 2 #5-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. A land plat is attached as Exhibit D.

Your timely approval of this unorthodox location is requested.

If you have any questions, I can be reached at 281-618-4068 or by email at alan_grimsley@swn.com.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Alan Grimsley". The signature is fluid and cursive, with a large, stylized "J" and "G".

J. Alan Grimsley
Southwestern Energy Production Co.

Attachments
CC: District 2

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name KARLSBAD CORRAL 11	Well Number 2H
OGRID No.	Operator Name SOUTHWESTERN ENERGY PRODUCTION COMPANY	Elevation 3036'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	25-S	29-E		65	NORTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

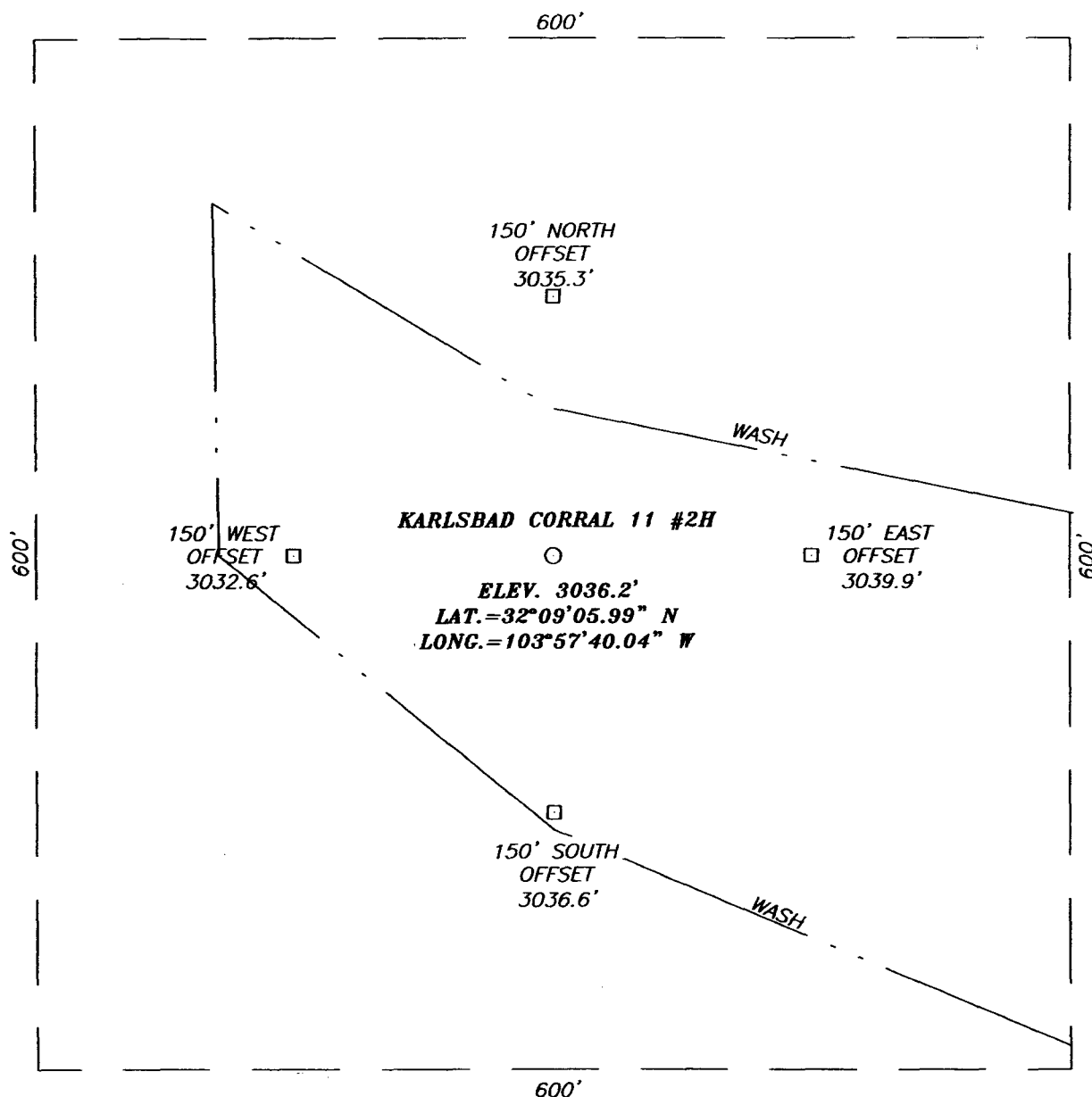
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	11	25-S	29-E		2563	NORTH	660	WEST	EDDY

Dedicated Acres 80	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

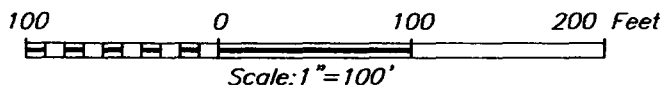
	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature J. Alan Gzinsley Printed Name Drilling Engineer Title 2/5/06 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was 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. OCTOBER 13, 2005 Date Surveyed Signature & Seal of Professional Surveyor Certificate No. RONALD J. GIBSON 3239

SECTION 11, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

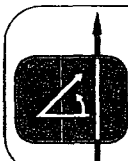
FROM THE INTERSECTION OF ST. HWY. #128 AND BUCK JACKSON RD. GO SOUTHWEST ON BUCK JACKSON RD. APPROX. 16.5 MILES TO THE INTERSECTION OF BUCK JACKSON ROAD AND TWIN WELLS RD. TURN RIGHT ON TWIN WELLS RD. AND GO APPROX. 500 FEET. TURN LEFT AND GO SOUTHWEST APPROX. 3.0 MILES. TURN RIGHT AND GO NORTHWEST APPROX. 1.4 MILES. TURN RIGHT AND GO NORTH APPROX. 4.1 MILES KARLSBAD CORRAL 2 #1H WELL. TURN LEFT AND GO WEST APPROX. 0.6 MILES. THIS LOCATION IS APPROX. 916 FEET NORTH OF ROAD.



SOUTHWESTERN ENERGY PRODUCTION COMPANY

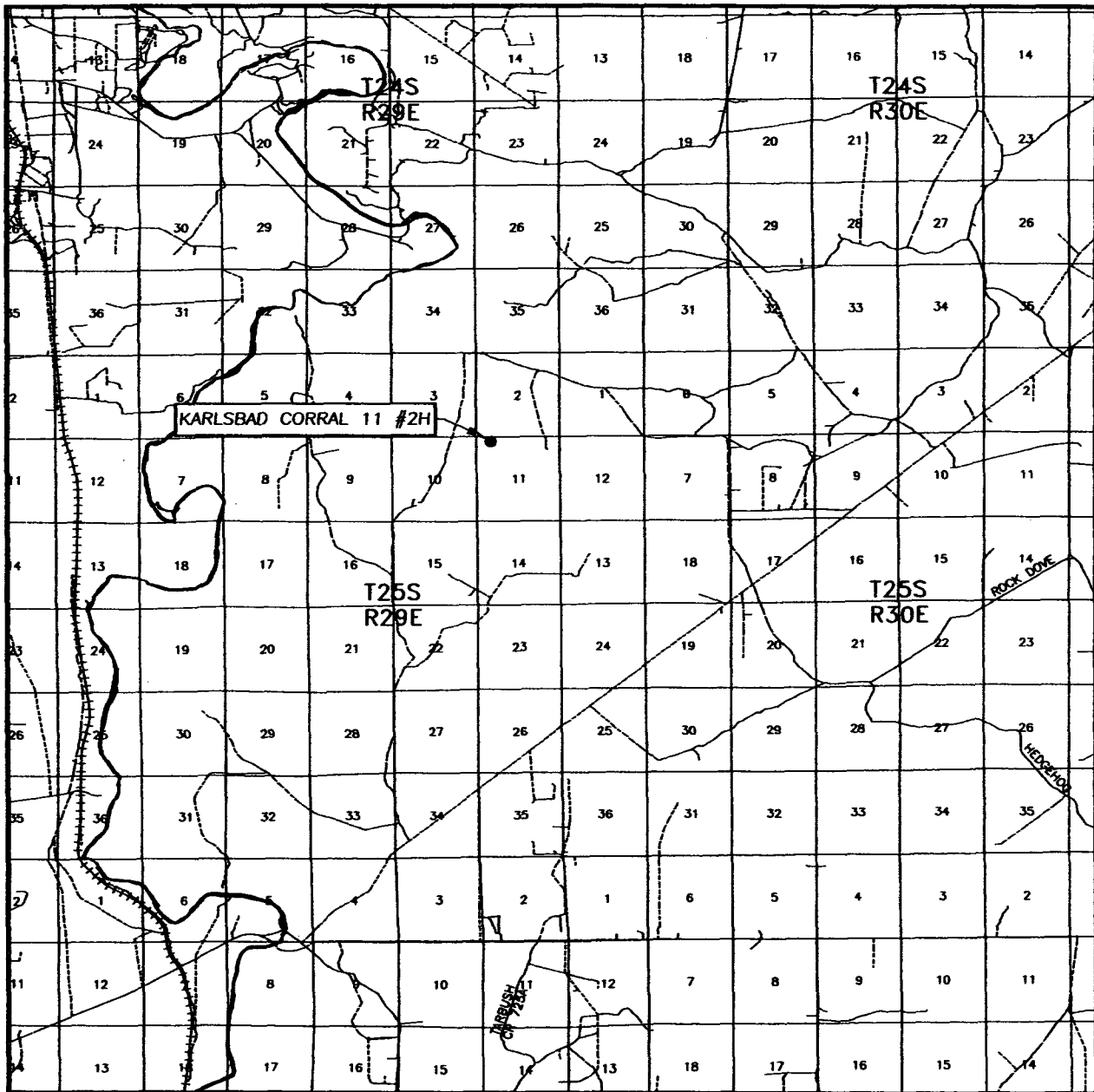
KARLSBAD CORRAL 11 #2H WELL
 LOCATED 65 FEET FROM THE NORTH LINE
 AND 660 FEET FROM THE WEST LINE OF SECTION 11,
 TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 10/13/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.1581	Dr By: LA
Date: 10/19/05	Rev 1: N/A
Disk: CD#4	05111581
	Scale: 1"=100'



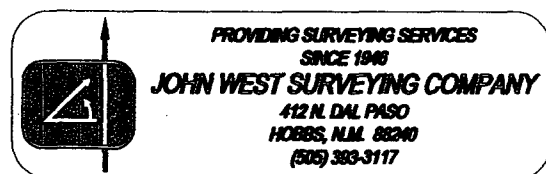
PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 383-3117

VICINITY MAP

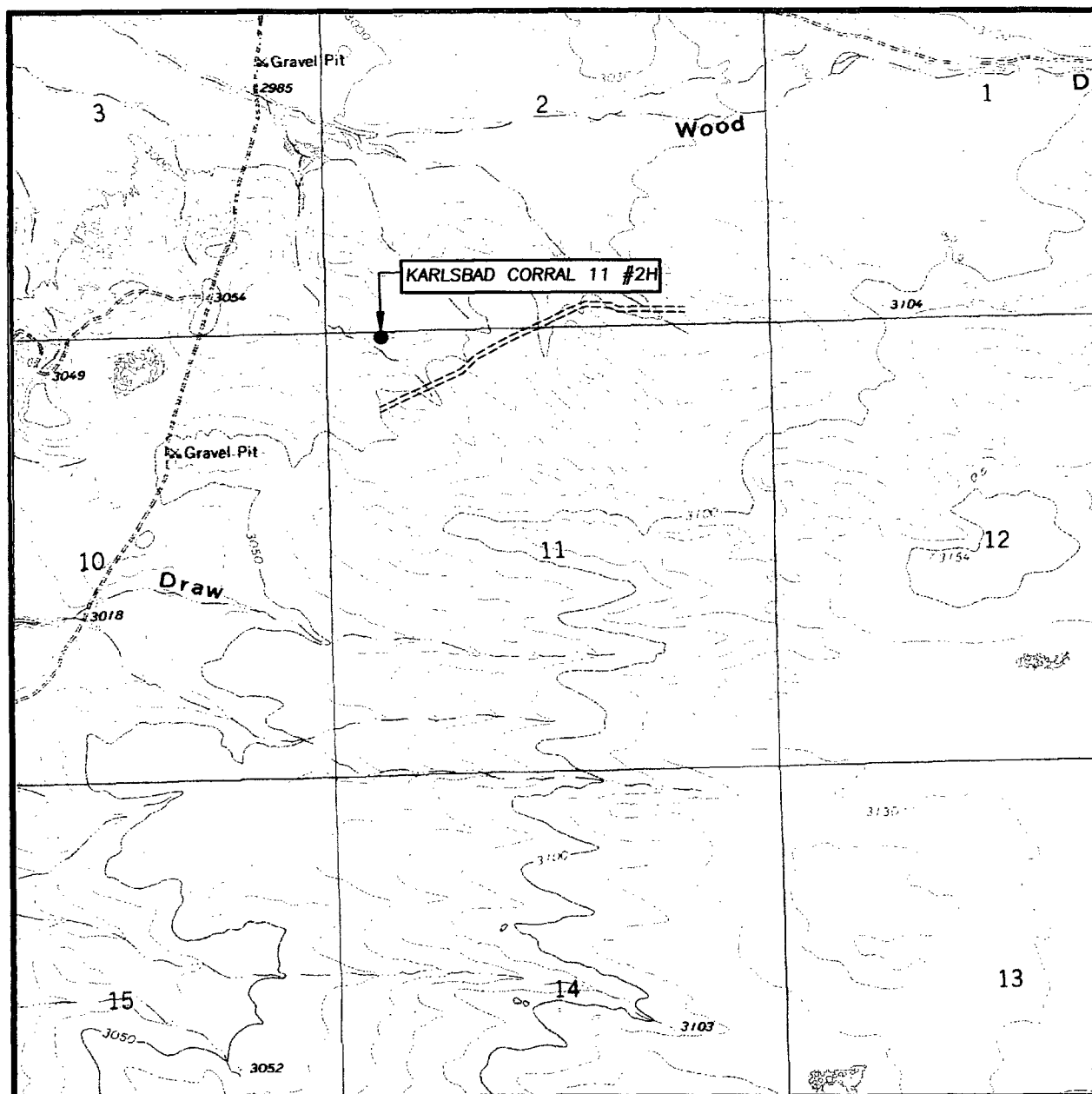


SCALE: 1" = 2 MILES

SEC. 11 TWP. 25-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 65' FNL & 660' FWL
 ELEVATION 3036'
 OPERATOR SOUTHWESTERN ENERGY PRODUCTION COMPANY
 LEASE KARLSBAD CORRAL 11



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 11 TWP. 25-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY

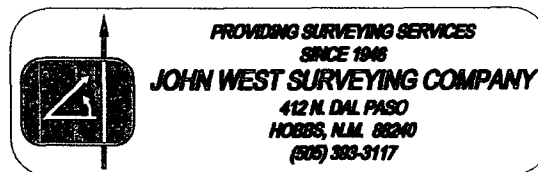
DESCRIPTION 65' FNL & 660' FWL

ELEVATION 3036'

OPERATOR SOUTHWESTERN ENERGY
PRODUCTION COMPANY

LEASE KARLSBAD CORRAL 11

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



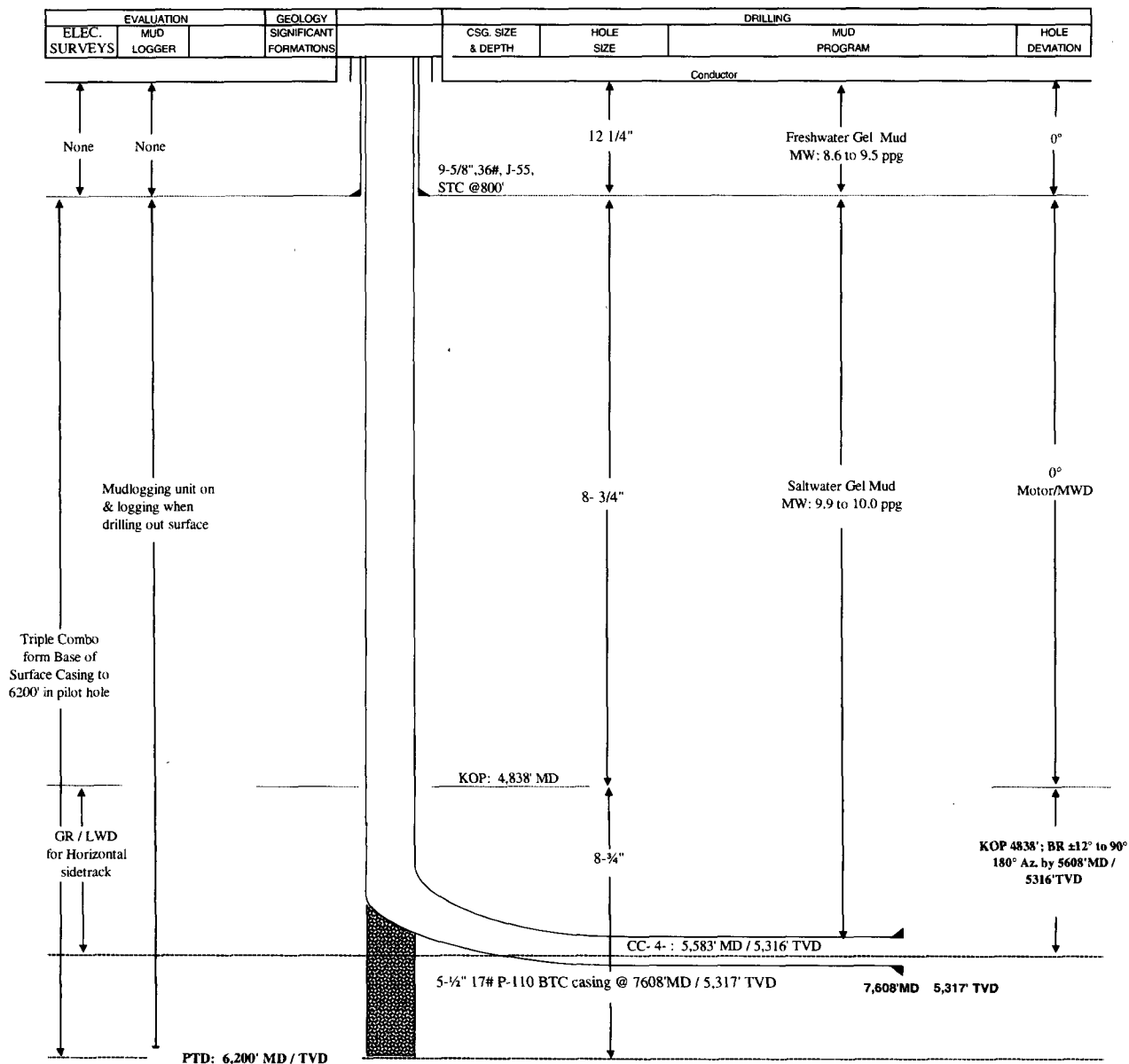


AFE NO.

PROSPECT: Corral Fly

OBJECTIVE: Cherry Canyon Sd, CC-4

EST. ELEVATION: GL 3036'; RKB $\pm 16''$



Southwestern Energy Production Co.

Karlsbad Corral 11 #2H

65 ft FNL & 660 ft FWL

Section 11, T25-S, R29-E

Eddy County, New Mexico

Plan #1 100605

COMPANY DETAILS

Southwestern Energy Production Co.
3250 N. San Houston Pkwy E.
Houston, TX 77032

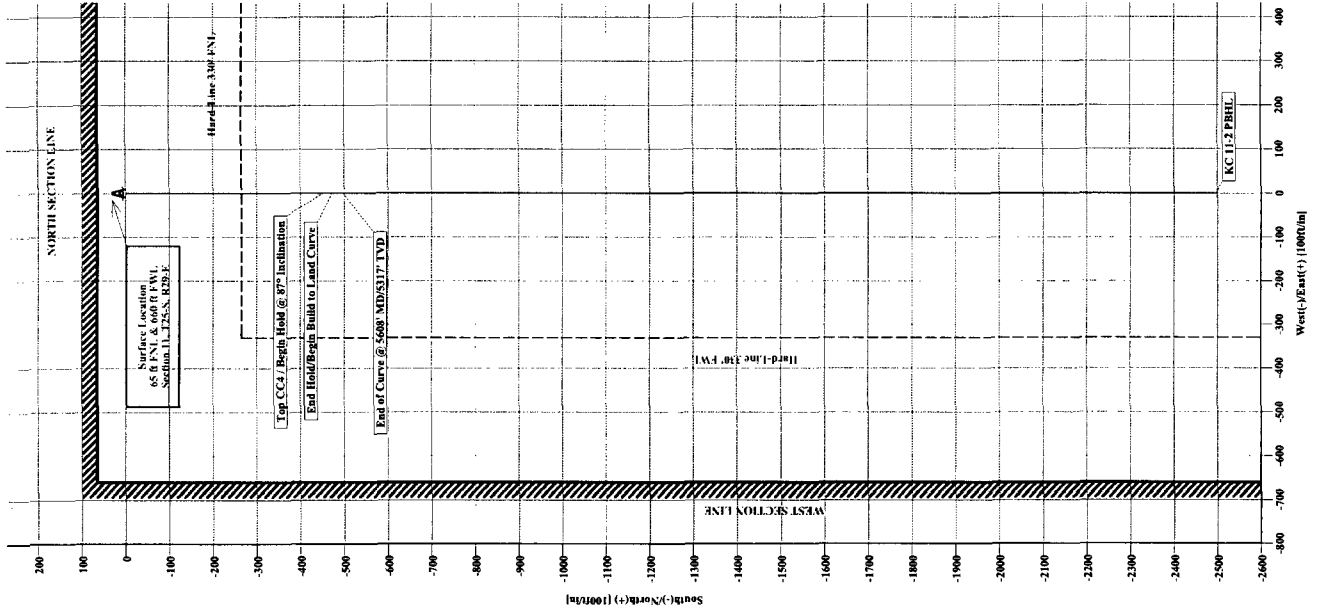
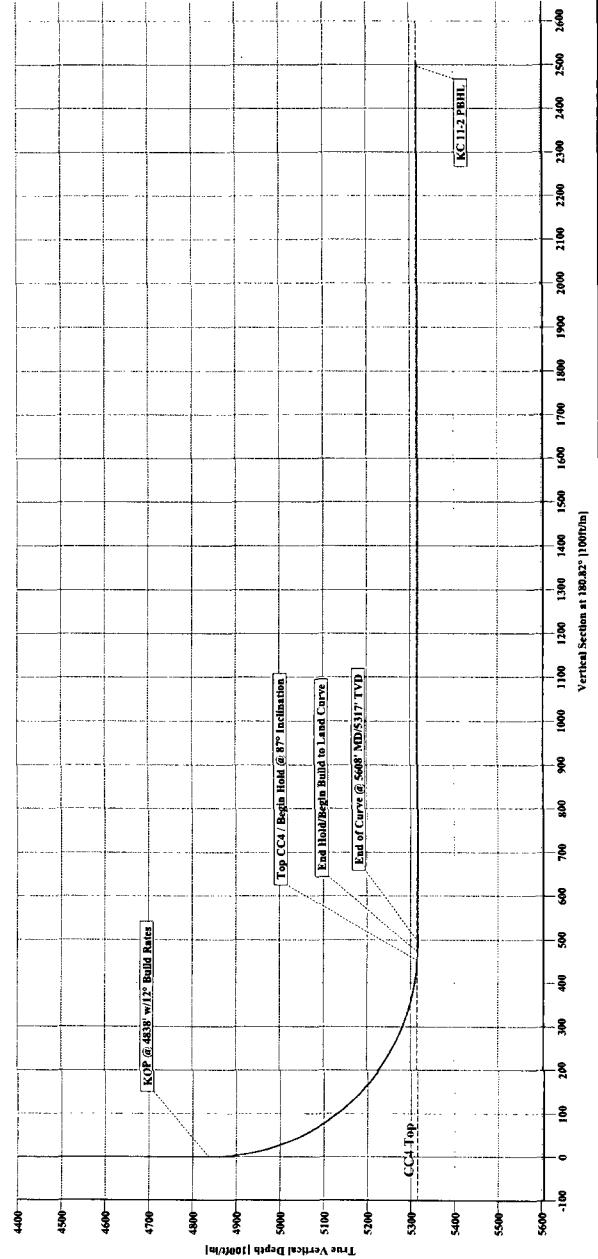
Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Center Method: Circular Approach 3D
Error Surface: Ellipsoidal Conic
Warning Method: Error Ratio

ANNOTATIONS

No.	TVD	MD	Annotation
1	4838.00	4838.00	KOP @ 4838' w/1/2° Build Rates
2	5315.00	5563.29	Top CC4 / Begin Hold @ 87° Inclination
3	5316.05	5583.29	End Hold/Begin Build to Land Curve
4	5316.70	5608.29	End of Curve @ 5608' MD/5317' TVD

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4838.00	0.00	180.00	4838.00	0.00	0.00	0.00	180.00	0.00	
3	5563.29	87.00	180.00	5315.00	-452.66	0.00	12.00	180.00	452.61	
4	5583.29	87.00	180.00	5316.05	-472.63	0.00	0.00	0.00	472.58	
5	5608.29	90.00	180.00	5316.70	-497.62	0.00	12.00	0.00	497.57	
6	7607.77	90.00	180.00	5316.70	-2497.10	0.00	0.00	0.00	2496.85	KC 11-2 PBHL



PathFinder

Planning Report

Company: Southwestern Energy Production
Field: Karlsbad Corral Section 11
Site: Karlsbad Corral 11-2H
Well: Karlsbad 11 #2H
Wellpath: Original Hole

Date: 10/18/2005 Time: 08:42:55 Page:
Co-ordinate(NE) Reference: Site: Karlsbad Corral 11-2H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.82Azi)
Plan: Plan #1 100605

Page: 1

Field: Karlsbad Corral Section 11

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: Site Centre
Geomagnetic Model: igrf2005

Site: Karlsbad Corral 11-2H

Site Position:		Northing:	ft	Latitude:	
From:	Lease Line	Easting:	ft	Longitude:	
Position Uncertainty:	0.00 ft			North Reference:	Grid
Ground Level:	3063.00 ft			Grid Convergence:	-0.82 deg

Well:	Karlsbad 11 #2H				Slot Name:			
Well Position:	+N/-S	0.00 ft	Northing:	0.00 ft	Latitude:	30 59	24.512 N	
	+E/-W	0.00 ft	Easting :	0.00 ft	Longitude:	105 55	44.137 W	
Position Uncertainty:		0.00 ft						

Wellpath:	Original Hole			Drilled From:	Surface
Current Datum:	SITE	Height	0.00 ft	Tie-on Depth:	0.00 ft
Magnetic Data:	10/6/2005			Above System Datum:	Mean Sea Level
Field Strength:	49136 nT			Declination:	8.42 deg
Vertical Section:	Depth From (TVD)	+N/-S		Mag Dip Angle:	60.19 deg
	ft	ft		+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	180.82

Plan:	Plan #1 100605	Date Composed:	10/6/2005
		Version:	1
Principal:	No	Tied-to:	From Surface

Plan Section Information

[illegible]

Survey

[illegible]

PathFinder

Planning Report

Company: Southwestern Energy Production
 Field: Karlsbad Corral Section 11
 Site: Karlsbad Corral 11-2H
 Well: Karlsbad 11 #2H
 Wellpath: Original Hole

Date: 10/18/2005 Time: 08:42:55 Page: 2
 Co-ordinate(NE) Reference: Site: Karlsbad Corral 11-2H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,180.82Azi)
 Plan: Plan #1 100605

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
1500.00	0.00	180.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	180.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	180.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	180.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	180.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	180.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	180.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	180.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	180.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	180.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	180.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	180.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	180.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	180.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	180.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	180.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	180.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	180.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	180.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	180.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	180.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	180.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	180.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	180.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	180.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	180.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	180.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	180.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	180.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	180.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	180.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	180.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	180.00	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4838.00	0.00	180.00	4838.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 4838' w/12° Build R
4850.00	1.44	180.00	4850.00	-0.15	0.00	0.15	12.00	12.00	0.00	
4875.00	4.44	180.00	4874.96	-1.43	0.00	1.43	12.00	12.00	0.00	
4900.00	7.44	180.00	4899.83	-4.02	0.00	4.02	12.00	12.00	0.00	
4925.00	10.44	180.00	4924.52	-7.90	0.00	7.90	12.00	12.00	0.00	
4950.00	13.43	180.00	4948.98	-13.07	0.00	13.07	12.00	12.00	0.00	
4975.00	16.43	180.00	4973.13	-19.51	0.00	19.51	12.00	12.00	0.00	
5000.00	19.43	180.00	4996.91	-27.21	0.00	27.21	12.00	12.00	0.00	
5025.00	22.43	180.00	5020.26	-36.14	0.00	36.14	12.00	12.00	0.00	
5050.00	25.43	180.00	5043.11	-46.28	0.00	46.27	12.00	12.00	0.00	
5075.00	28.43	180.00	5065.39	-57.60	0.00	57.59	12.00	12.00	0.00	
5100.00	31.43	180.00	5087.06	-70.07	0.00	70.06	12.00	12.00	0.00	
5125.00	34.43	180.00	5108.04	-83.66	0.00	83.65	12.00	12.00	0.00	
5150.00	37.43	180.00	5128.28	-98.33	0.00	98.32	12.00	12.00	0.00	
5175.00	40.42	180.00	5147.73	-114.03	0.00	114.02	12.00	12.00	0.00	
5200.00	43.42	180.00	5166.33	-130.73	0.00	130.72	12.00	12.00	0.00	
5225.00	46.42	180.00	5184.03	-148.38	0.00	148.37	12.00	12.00	0.00	
5250.00	49.42	180.00	5200.78	-166.94	0.00	166.92	12.00	12.00	0.00	
5275.00	52.42	180.00	5216.54	-186.34	0.00	186.32	12.00	12.00	0.00	
5300.00	55.42	180.00	5231.26	-206.54	0.00	206.52	12.00	12.00	0.00	

PathFinder

Planning Report

Company: Southwestern Energy Production
Field: Karlsbad Corral Section 11
Site: Karlsbad Corral 11-2H
Well: Karlsbad 11 #2H
Wellpath: Original Hole

Date: 10/18/2005 **Time:** 08:42:55 **Page:** 3
Co-ordinate(NE) Reference: Site: Karlsbad Corral 11-2H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.82Azi)
Plan: Plan #1 100605

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
5325.00	58.42	180.00	5244.90	-227.49	0.00	227.47	12.00	12.00	0.00	
5350.00	61.42	180.00	5257.43	-249.12	0.00	249.09	12.00	12.00	0.00	
5375.00	64.41	180.00	5268.82	-271.38	0.00	271.35	12.00	12.00	0.00	
5400.00	67.41	180.00	5279.02	-294.20	0.00	294.17	12.00	12.00	0.00	
5425.00	70.41	180.00	5288.01	-317.52	0.00	317.49	12.00	12.00	0.00	
5450.00	73.41	180.00	5295.77	-341.28	0.00	341.25	12.00	12.00	0.00	
5475.00	76.41	180.00	5302.28	-365.42	0.00	365.38	12.00	12.00	0.00	
5500.00	79.41	180.00	5307.52	-389.86	0.00	389.82	12.00	12.00	0.00	
5525.00	82.41	180.00	5311.47	-414.54	0.00	414.50	12.00	12.00	0.00	
5550.00	85.41	180.00	5314.12	-439.40	0.00	439.35	12.00	12.00	0.00	
5563.29	87.00	180.00	5315.00	-452.66	0.00	452.61	12.00	12.00	0.00	Top CC4 / Begin Hold @ 87
5583.29	87.00	180.00	5316.05	-472.63	0.00	472.58	0.00	0.00	0.00	End Hold/Begin Build to L
5600.00	89.01	180.00	5316.63	-489.33	0.00	489.28	12.00	12.00	0.00	
5608.29	90.00	180.00	5316.70	-497.62	0.00	497.57	12.00	12.00	0.00	End of Curve @ 5608' MD/5
5700.00	90.00	180.00	5316.70	-589.33	0.00	589.27	0.00	0.00	0.00	
5800.00	90.00	180.00	5316.70	-689.33	0.00	689.26	0.00	0.00	0.00	
5900.00	90.00	180.00	5316.70	-789.33	0.00	789.25	0.00	0.00	0.00	
6000.00	90.00	180.00	5316.70	-889.33	0.00	889.24	0.00	0.00	0.00	
6100.00	90.00	180.00	5316.70	-989.33	0.00	989.23	0.00	0.00	0.00	
6200.00	90.00	180.00	5316.70	-1089.33	0.00	1089.22	0.00	0.00	0.00	
6300.00	90.00	180.00	5316.70	-1189.33	0.00	1189.21	0.00	0.00	0.00	
6400.00	90.00	180.00	5316.70	-1289.33	0.00	1289.20	0.00	0.00	0.00	
6500.00	90.00	180.00	5316.70	-1389.33	0.00	1389.19	0.00	0.00	0.00	
6600.00	90.00	180.00	5316.70	-1489.33	0.00	1489.18	0.00	0.00	0.00	
6700.00	90.00	180.00	5316.70	-1589.33	0.00	1589.17	0.00	0.00	0.00	
6800.00	90.00	180.00	5316.70	-1689.33	0.00	1689.16	0.00	0.00	0.00	
6900.00	90.00	180.00	5316.70	-1789.33	0.00	1789.15	0.00	0.00	0.00	
7000.00	90.00	180.00	5316.70	-1889.33	0.00	1889.13	0.00	0.00	0.00	
7100.00	90.00	180.00	5316.70	-1989.33	0.00	1989.12	0.00	0.00	0.00	
7200.00	90.00	180.00	5316.70	-2089.33	0.00	2089.11	0.00	0.00	0.00	
7300.00	90.00	180.00	5316.70	-2189.33	0.00	2189.10	0.00	0.00	0.00	
7400.00	90.00	180.00	5316.70	-2289.33	0.00	2289.09	0.00	0.00	0.00	
7500.00	90.00	180.00	5316.70	-2389.33	0.00	2389.08	0.00	0.00	0.00	
7607.77	90.00	180.00	5316.70	-2497.10	0.00	2496.85	0.00	0.00	0.00	KC 11-2 PBHL

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
KC 11-2 PBHL			5316.70	-2497.10	0.00	-2497.10	0.00	30 58 59.804 N	105 55 43.726 W

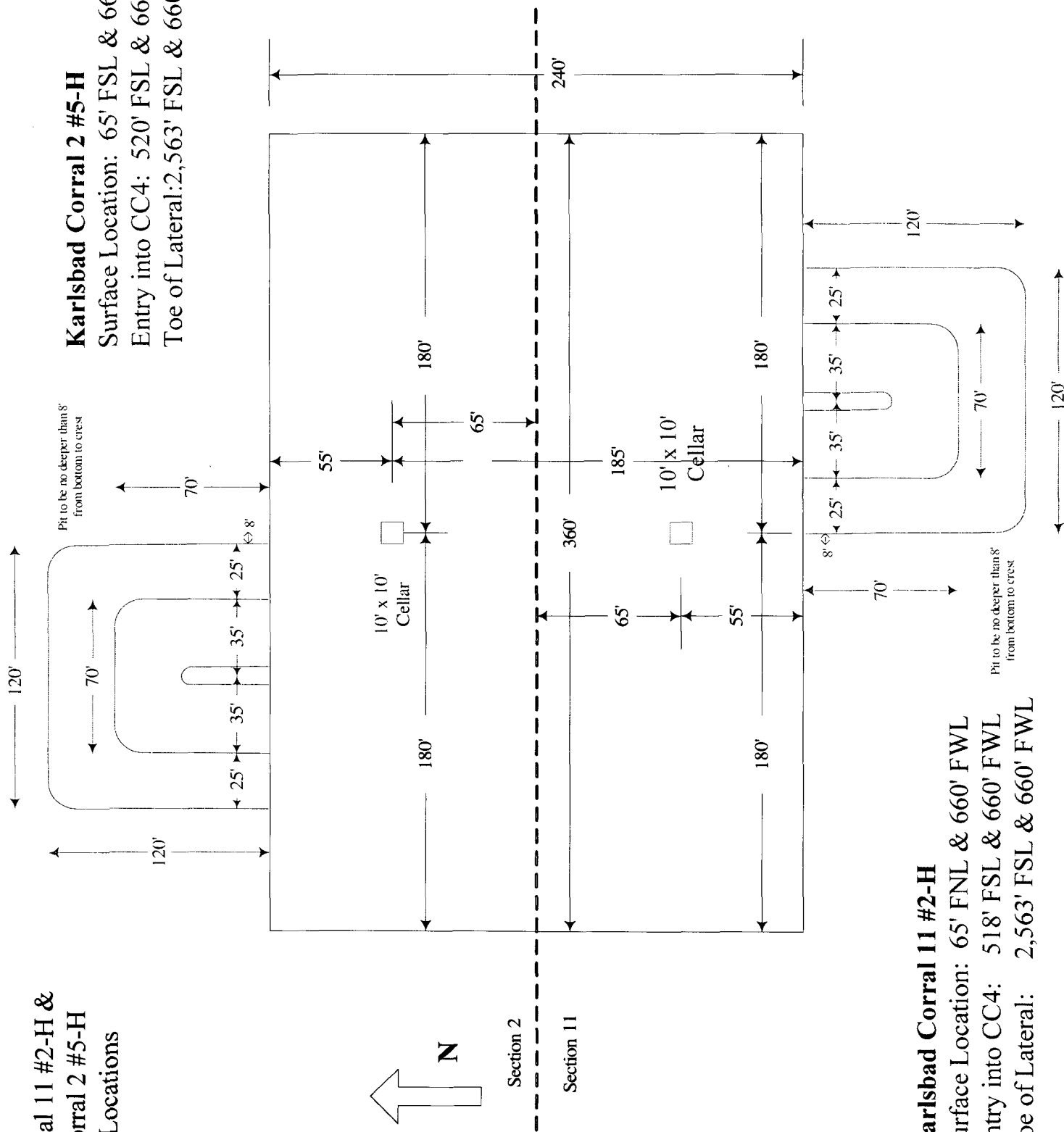
Annotation

MD ft	TVD ft	
4838.00	4838.00	KOP @ 4838' w/12° Build Rates
5563.29	5315.00	Top CC4 / Begin Hold @ 87° Inclination
5583.29	5316.05	End Hold/Begin Build to Land Curve
5608.29	5316.70	End of Curve @ 5608' MD/5317' TVD

**Karlsbad Corral 11 #2-H &
Karlsbad Corral 2 #5-H
Proposed Locations**

Karlsbad Corral 2 #5-H

Surface Location: 65' FSL & 660' FWL
Entry into CC4: 520' FSL & 660' FWL
Toe of Lateral: 2,563' FSL & 660' FWL



Karlsbad Corral 11 #2-H

Surface Location: 65' FNL & 660' FWL
Entry into CC4: 518' FSL & 660' FWL
Toe of Lateral: 2,563' FSL & 660' FWL

