

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., 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
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address Southwestern Energy Production Company 2350 N San Houston Pkwy E Houston, TX 77032		OGRID Number 148111
		API Number 30-15-32914
Property Code 32656	Property Name Shrike 10H Com	Well No. 001

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	10	25S	28E		1964	S	1189	W	Eddy

Bottom Holes

Pool: WILLOW LAKE; DELAWARE, SW 96855									
UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	10	25S	28E		1964	S	1662	E	Eddy

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 2927
Multiple N	Proposed Depth 4816	Formation Cherry Canyon	Contractor	Spud Date 8/1/2003

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	550	350	0
Prod	8.75	7	23	5066	270	3400

Casing/Cement Program: Additional Comments

Hole size 26, 20 Conductor pipe, Setting Depth 40, Cement w/ ready mix, Est TOC surface Hole size 12-1/4, Surface Casing 9-5/8 36# J-55 ST&C, Setting Depth 550, Cement w/350 sx Class C+ 2% S1+ 0.25 pps D29, Est TOC surface Hole size 8-3/4, Production Casing 7 23.0# N-80 BTC, Setting Depth 5066, Cement w /Lead: 110 sx 35:65 Poz: C +5% D44 Tail: 160 sx 50:50 Poz:Class C + 3% D44 +1.5 gps D600 + 0.05 gps D604AM + 0.05 gps D47 + 3% D174, Est TOC 3500'

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Electronically Signed By: Vonnie Cermin		Electronically Approved By: Bryan Arrant	
Title: Production/Drilling Analyst		Title: Geologist	
Date: 7/29/2003		Approval Date: 7/30/2003	Expiration Date: 7/30/2004
Phone: 281-618-4739		Conditions of Approval: There are conditions. See Attached.	

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State of New Mexico
Energy, Minerals and Natural Resources

Form C-102

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

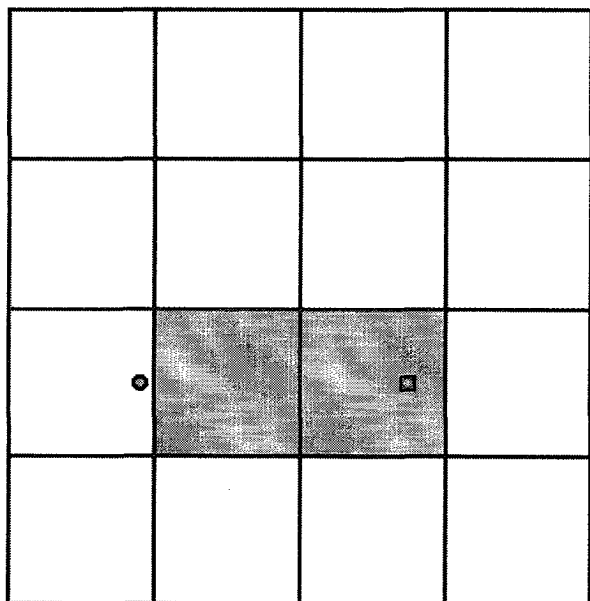
API Number 30-15-32914	Pool Name WILLOW LAKE; DELAWARE, SW	Pool Code 96855
Property Code 32656	Property Name Shrike 10H Com	Well No. 001
OGRID No. 148111	Operator Name Southwestern Energy Production Company	Elevation 2927

Surface Location

UL or Lot L	Section 10	Township 25S	Range 28E	Lot Idn	Feet From 1964	N/S Line S	Feet From 1189	E/W Line W	County Eddy
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Bottom Hole Location If Different From Surface

UL or Lot J	Section 10	Township 25S	Range 28E	Lot Idn	Feet From 1964	N/S Line S	Feet From 1662	E/W Line E	County Eddy
Dedicated Acres 80	Joint or Infill		Consolidation Code		Order No.				



OPERATOR CERTIFICATION

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

Electronically Signed By: Vonnie Cermin

Title: Production/Drilling Analyst

Date: 7/29/2003

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.

Electronically Signed By: Ronald Edison

Date of Survey: 6/2/2003

Certificate Number: 3239

APD Conditions Of Approval

Operator: 148111 Southwestern Energy Production Company

Well: Shrike 10H Com 001

OCD Reviewer	Condition
BARRANT	Cement to cover ALL oil, gas and water bearing zones.



**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

July 29, 2003

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division-District 2
1301 W. Grand Avenue
Artesia, NM 88210

Attn: Bryan Arrant

Re: Shrike "Com" 10-H #1
Sec. 10, T25S-R28E
Eddy County, NM

Dear Bryan,

Southwestern Energy Production Company has recently drilled four wells in the immediate vicinity of our proposed Shrike "10-H" #1 well. All four wells have been equipped with H2S monitoring equipment and no levels have been detected that would require preparation of an H2S contingency plan. We will, however, be equipped with H2S monitoring while drilling as an extra safety precaution. Please let me know if you require any additional information.

Sincerely,


James M. Tully
Staff Drilling Engineer

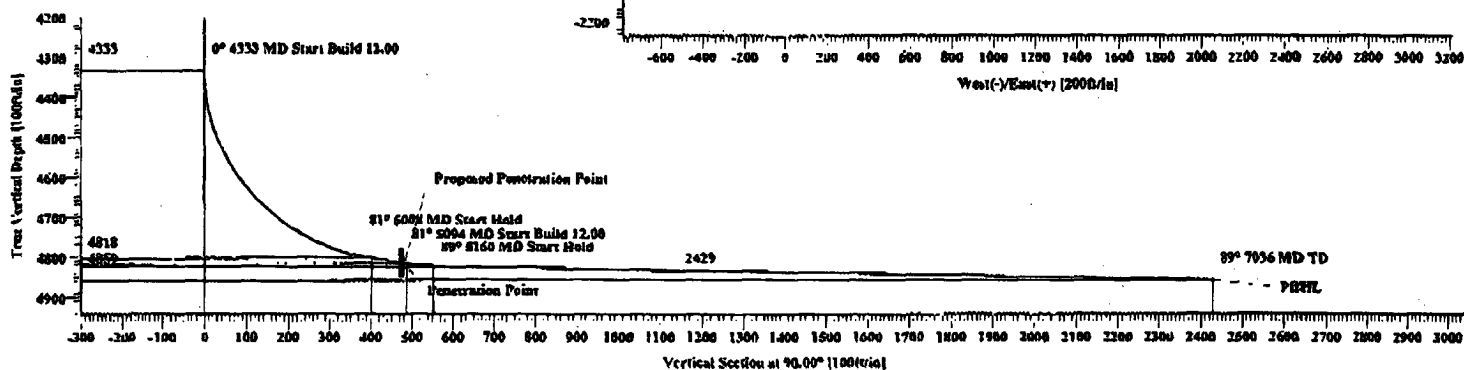
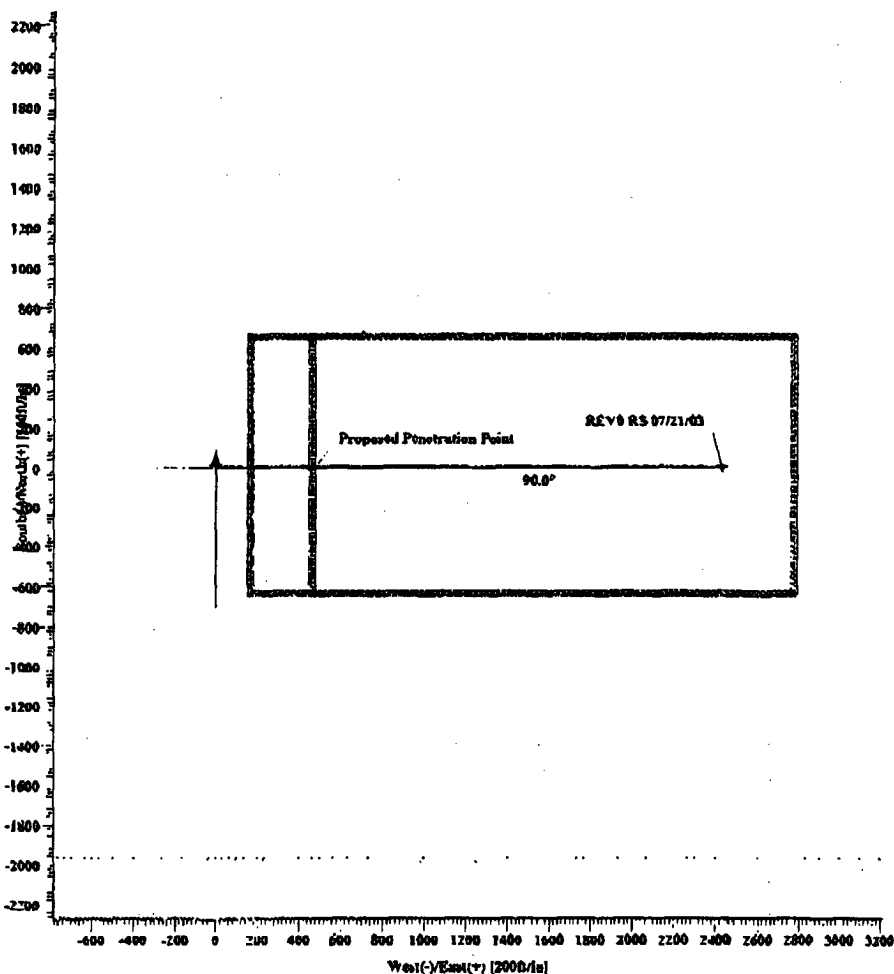
SOUTHWESTERN ENERGY + PRODUCTION COMPANY SHRIKE FEDERAL "10" #1-H EDDY COUNTY, NEW MEXICO

PATHFINDER ENERGY SERVICES



Azimuths to Grid North
True North: -0.16°
Magnetic North: 0.74°

Magnetic Field
Strength: 49446 nT
Dip Angle: 66.27°
Date: 7/21/2003
Model: Igr72000



SECTION DETAILS

Sec	MD	Inc	Asd	TYD	+N-S	+E-W	DLog	TFace	VBox	Target
1	4333.00	0.00	90.00	4333.00	0.00	0.00	0.00	0.00	0.00	
2	5004.00	81.00	90.00	4904.59	0.00	-82.77	13.00	0.00	482.77	
3	5093.75	81.00	90.00	4818.00	0.00	-87.44	0.00	0.00	487.44	
4	5159.75	89.92	90.00	4833.79	0.00	-83.16	12.00	0.00	553.16	
5	7036.92	89.92	90.00	4859.00	0.00	-2429.00	0.00	0.00	2429.00	PBNL

TARGET DETAILS

Name	TYD	+N-S	+E-W	Shape
Penetration Point	4819.00	0.00	480.00	Point
PBNL	4859.00	0.00	2429.00	Point

Plan: REV RS 07/21/03 (Shrike "COM" 10-H/Original Hole)

Created By: Robert Savage

Date: 7/22/2003

Checked: _____

Date: _____

Reviewed: _____

Date: _____

PathFinder Energy Services

Planning Report

Company: SOUTHWESTERN ENERGY & PRODUCTS
 Field: Eddy County, New Mexico
 Site: Shrike "COM" 10-H
 Well: Shrike "COM" 10-H
 Wellpath: Original Hole

Date: 7/21/2003 Time: 18:25:02 Page: 1
 Co-ordinate(NE) Reference: Well: Shrike "COM" 10-H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
 Plan: REV0 RS 07/21/03

Field: Eddy County, New Mexico
 Section 10 T-25-S & R28-E
 USA

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: igrf2000

Site: Shrike "COM" 10-H
 Sec. 10 T25S & R28E
 Eddy County, New Mexico

Site Position: Northing: ft Latitude:
 From: Lease Line Easting: ft Longitude:
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 0.00 ft Grid Convergence: 0.14 deg

Well: Shrike "COM" 10-H Slot Name:

Well Position: +N/-S 0.00 ft Northing: 415685.40 ft Latitude: 32 8 33.292 N
 +E/-W 0.00 ft Easting: 578586.40 ft Longitude: 104 4 45.952 W
 Position Uncertainty: 0.00 ft

Wellpath: Original Hole

Current Datum: SITE Height 0.00 ft
 Magnetic Data: 7/21/2003
 Field Strength: 49446 nT
 Vertical Section: Depth From (TVD) +N/-S
 ft ft
 0.00 0.00 0.00 90.00

Drilled From: Surface
 Tie-on Depth: 0.00 ft
 Above System Datum: Mean Sea Level
 Declination: 8.88 deg
 Mag Dip Angle: 60.27 deg
 +E/-W Direction
 ft deg
 0.00 90.00

Plan: REV0 RS 07/21/03
 Plan #1
 Principal: Yes

Date Composed: 7/21/2003
 Version: 1
 Tied-to: User Defined

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
4333.00	0.00	90.00	4333.00	0.00	0.00	0.00	0.00	0.00	0.00	
5008.00	81.00	90.00	4804.59	0.00	402.77	12.00	12.00	0.00	90.00	
5093.75	81.00	90.00	4818.00	0.00	487.46	0.00	0.00	0.00	0.00	
5159.75	88.92	90.00	4823.79	0.00	553.16	12.00	12.00	0.00	0.00	
7035.92	88.92	90.00	4859.00	0.00	2429.00	0.00	0.00	0.00	0.00	PBHL

Section 1 : Start Build 12.00

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	TFO deg
4333.00	0.00	90.00	4333.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4350.00	2.04	90.00	4350.00	0.00	0.30	0.30	12.00	12.00	0.00	0.00
4375.00	5.04	90.00	4374.95	0.00	1.85	1.85	12.00	12.00	0.00	0.00
4400.00	8.04	90.00	4399.78	0.00	4.69	4.69	12.00	12.00	0.00	0.00
4425.00	11.04	90.00	4424.43	0.00	8.84	8.84	12.00	12.00	0.00	0.00
4450.00	14.04	90.00	4448.83	0.00	14.26	14.26	12.00	12.00	0.00	0.00
4475.00	17.04	90.00	4472.92	0.00	20.96	20.96	12.00	12.00	0.00	0.00
4500.00	20.04	90.00	4496.62	0.00	28.91	28.91	12.00	12.00	0.00	0.00
4525.00	23.04	90.00	4519.87	0.00	38.09	38.09	12.00	12.00	0.00	0.00
4550.00	26.04	90.00	4542.61	0.00	48.47	48.47	12.00	12.00	0.00	0.00
4575.00	29.04	90.00	4564.77	0.00	60.03	60.03	12.00	12.00	0.00	0.00
4600.00	32.04	90.00	4586.30	0.00	72.73	72.73	12.00	12.00	0.00	0.00
4625.00	35.04	90.00	4607.14	0.00	86.54	86.54	12.00	12.00	0.00	0.00
4650.00	38.04	90.00	4627.22	0.00	101.42	101.42	12.00	12.00	0.00	0.00
4675.00	41.04	90.00	4646.50	0.00	117.34	117.34	12.00	12.00	0.00	0.00
4700.00	44.04	90.00	4664.91	0.00	134.24	134.24	12.00	12.00	0.00	0.00
4725.00	47.04	90.00	4682.42	0.00	152.08	152.08	12.00	12.00	0.00	0.00
4750.00	50.04	90.00	4698.97	0.00	170.81	170.81	12.00	12.00	0.00	0.00
4775.00	53.04	90.00	4714.52	0.00	190.39	190.39	12.00	12.00	0.00	0.00

PathFinder Energy Services

Planning Report

Company: SOUTHWESTERN ENERGY & PRODUCTS
 Field: Eddy County, New Mexico
 Site: Shrike "COM" 10-H
 Well: Shrike "COM" 10-H
 Wellpath: Original Hole

Date: 7/21/2003 Time: 18:25:02 Page: 2
 Co-ordinate(NE) Reference: Well: Shrike "COM" 10-H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
 Plan: REV0 RS 07/21/03

Section 1 : Start Build 12.00

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4800.00	58.04	90.00	4729.02	0.00	210.75	210.75	12.00	12.00	0.00	0.00
4825.00	59.04	90.00	4742.44	0.00	231.84	231.84	12.00	12.00	0.00	0.00
4850.00	62.04	90.00	4764.73	0.00	253.60	253.60	12.00	12.00	0.00	0.00
4875.00	65.04	90.00	4765.87	0.00	275.98	275.98	12.00	12.00	0.00	0.00
4900.00	68.04	90.00	4775.82	0.00	298.91	298.91	12.00	12.00	0.00	0.00
4925.00	71.04	90.00	4784.56	0.00	322.33	322.33	12.00	12.00	0.00	0.00
4950.00	74.04	90.00	4792.08	0.00	346.18	346.18	12.00	12.00	0.00	0.00
4975.00	77.04	90.00	4798.30	0.00	370.38	370.38	12.00	12.00	0.00	0.00
5000.00	80.04	90.00	4803.27	0.00	394.88	394.88	12.00	12.00	0.00	0.00
5008.00	81.00	90.00	4804.59	0.00	402.77	402.77	12.00	12.00	0.00	0.00

Section 2 : Start Hold

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5023.75	81.00	90.00	4818.00	0.00	487.46	487.46	0.00	0.00	0.00	0.00

Section 3 : Start Build 12.00

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5100.00	81.75	90.00	4818.94	0.00	493.65	493.65	12.00	12.00	0.00	0.00
5125.00	84.75	90.00	4821.88	0.00	518.47	518.47	12.00	12.00	0.00	0.00
5150.00	87.75	90.00	4823.51	0.00	543.41	543.41	12.00	12.00	0.00	0.00
5159.75	88.92	90.00	4823.79	0.00	553.18	553.18	12.00	12.00	0.00	0.00

Section 4 : Start Hold

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5200.00	88.92	90.00	4824.55	0.00	593.40	593.40	0.00	0.00	0.00	0.00
5300.00	88.92	90.00	4826.44	0.00	693.38	693.38	0.00	0.00	0.00	0.00
5400.00	88.92	90.00	4828.32	0.00	793.37	793.37	0.00	0.00	0.00	0.00
5500.00	88.92	90.00	4830.21	0.00	893.35	893.35	0.00	0.00	0.00	0.00
5600.00	88.92	90.00	4832.09	0.00	993.33	993.33	0.00	0.00	0.00	0.00
5700.00	88.92	90.00	4833.98	0.00	1093.31	1093.31	0.00	0.00	0.00	0.00
5800.00	88.92	90.00	4835.86	0.00	1193.30	1193.30	0.00	0.00	0.00	0.00
5900.00	88.92	90.00	4837.75	0.00	1293.28	1293.28	0.00	0.00	0.00	0.00
6000.00	88.92	90.00	4839.63	0.00	1393.26	1393.26	0.00	0.00	0.00	0.00
6100.00	88.92	90.00	4841.52	0.00	1493.24	1493.24	0.00	0.00	0.00	0.00
6200.00	88.92	90.00	4843.40	0.00	1593.22	1593.22	0.00	0.00	0.00	0.00
6300.00	88.92	90.00	4845.29	0.00	1693.21	1693.21	0.00	0.00	0.00	0.00
6400.00	88.92	90.00	4847.17	0.00	1793.19	1793.19	0.00	0.00	0.00	0.00
6500.00	88.92	90.00	4849.06	0.00	1893.17	1893.17	0.00	0.00	0.00	0.00
6600.00	88.92	90.00	4850.94	0.00	1993.15	1993.15	0.00	0.00	0.00	0.00
6700.00	88.92	90.00	4852.82	0.00	2093.14	2093.14	0.00	0.00	0.00	0.00
6800.00	88.92	90.00	4854.71	0.00	2193.12	2193.12	0.00	0.00	0.00	0.00
6900.00	88.92	90.00	4856.59	0.00	2293.10	2293.10	0.00	0.00	0.00	0.00
7000.00	88.92	90.00	4858.48	0.00	2393.08	2393.08	0.00	0.00	0.00	0.00
7035.92	88.92	90.00	4859.00	0.00	2429.00	2429.00	0.00	0.00	0.00	0.00

Survey

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4333.00	0.00	90.00	4333.00	0.00	0.00	0.00	0.00	0.00	0.00	
4350.00	2.04	90.00	4350.00	0.00	0.30	0.30	12.00	12.00	0.00	
4375.00	5.04	90.00	4374.95	0.00	1.85	1.85	12.00	12.00	0.00	
4400.00	8.04	90.00	4399.78	0.00	4.69	4.69	12.00	12.00	0.00	
4425.00	11.04	90.00	4424.43	0.00	8.84	8.84	12.00	12.00	0.00	
4450.00	14.04	90.00	4448.83	0.00	14.26	14.26	12.00	12.00	0.00	
4475.00	17.04	90.00	4472.92	0.00	20.96	20.96	12.00	12.00	0.00	
4500.00	20.04	90.00	4496.62	0.00	28.91	28.91	12.00	12.00	0.00	

PathFinder Energy Services

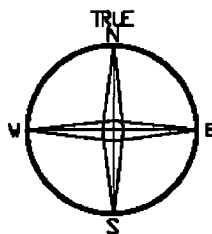
Planning Report

Company: SOUTHWESTERN ENERGY & PRODUCTS	Date: 7/21/2003	Time: 18:25:02	Page: 3
Field: Eddy County, New Mexico	Co-ordinate(NE) Reference: Well: Shrike "COM" 10-H, Grid North		
Site: Shrike "COM" 10-H	Vertical (TVD) Reference: SITE 0.0		
Well: Shrike "COM" 10-H	Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)		
Wellpath: Original Hole	Plan: REV0 RS 07/21/03		

Survey

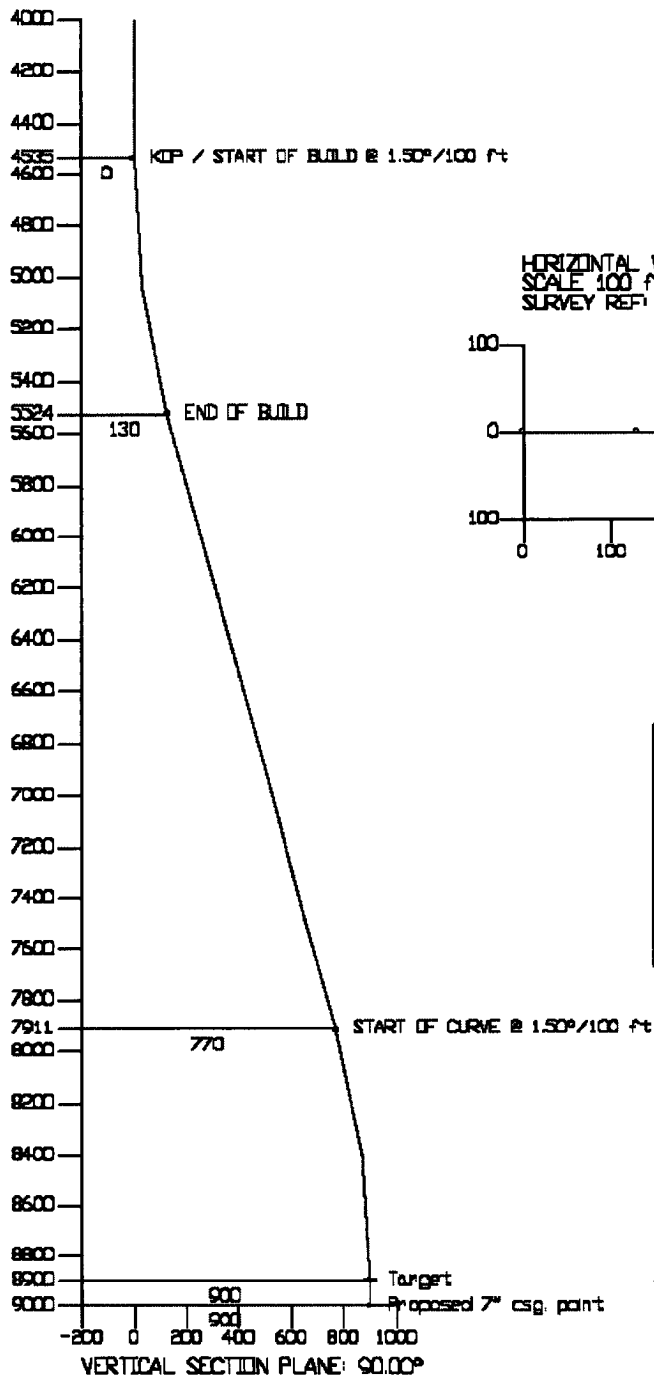
MD ft	Incl deg	Azlm deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Balls deg/100ft	Turn deg/100ft	Tool/Comment
4525.00	23.04	90.00	4519.87	0.00	38.09	38.09	12.00	12.00	0.00	
4550.00	28.04	90.00	4542.61	0.00	48.47	48.47	12.00	12.00	0.00	
4575.00	29.04	90.00	4564.77	0.00	60.03	60.03	12.00	12.00	0.00	
4600.00	32.04	90.00	4586.30	0.00	72.73	72.73	12.00	12.00	0.00	
4625.00	35.04	90.00	4607.14	0.00	86.54	86.54	12.00	12.00	0.00	
4650.00	38.04	90.00	4627.22	0.00	101.42	101.42	12.00	12.00	0.00	
4675.00	41.04	90.00	4646.50	0.00	117.34	117.34	12.00	12.00	0.00	
4700.00	44.04	90.00	4664.91	0.00	134.24	134.24	12.00	12.00	0.00	
4725.00	47.04	90.00	4682.42	0.00	152.08	152.08	12.00	12.00	0.00	
4750.00	50.04	90.00	4698.97	0.00	170.81	170.81	12.00	12.00	0.00	
4775.00	53.04	90.00	4714.52	0.00	190.39	190.39	12.00	12.00	0.00	
4800.00	56.04	90.00	4729.02	0.00	210.75	210.75	12.00	12.00	0.00	
4825.00	59.04	90.00	4742.44	0.00	231.84	231.84	12.00	12.00	0.00	
4850.00	62.04	90.00	4754.73	0.00	253.60	253.60	12.00	12.00	0.00	
4875.00	65.04	90.00	4765.87	0.00	275.98	275.98	12.00	12.00	0.00	
4900.00	68.04	90.00	4775.82	0.00	298.91	298.91	12.00	12.00	0.00	
4925.00	71.04	90.00	4784.56	0.00	322.33	322.33	12.00	12.00	0.00	
4950.00	74.04	90.00	4792.06	0.00	346.18	346.18	12.00	12.00	0.00	
4975.00	77.04	90.00	4798.30	0.00	370.38	370.38	12.00	12.00	0.00	
5000.00	80.04	90.00	4803.27	0.00	394.88	394.88	12.00	12.00	0.00	
5025.00	81.00	90.00	4804.59	0.00	402.77	402.77	12.00	12.00	0.00	
5093.75	81.00	90.00	4818.00	0.00	487.46	487.46	0.00	0.00	0.00	
5100.00	81.75	90.00	4818.94	0.00	493.65	493.65	12.00	12.00	0.00	
5125.00	84.75	90.00	4821.88	0.00	518.47	518.47	12.00	12.00	0.00	
5150.00	87.75	90.00	4823.51	0.00	543.41	543.41	12.00	12.00	0.00	
5159.75	88.92	90.00	4823.79	0.00	553.16	553.16	12.00	12.00	0.00	
5200.00	88.92	90.00	4824.55	0.00	593.40	593.40	0.00	0.00	0.00	
5300.00	88.92	90.00	4826.44	0.00	693.38	693.38	0.00	0.00	0.00	
5400.00	88.92	90.00	4828.32	0.00	793.37	793.37	0.00	0.00	0.00	
5500.00	88.92	90.00	4830.21	0.00	893.35	893.35	0.00	0.00	0.00	
5600.00	88.92	90.00	4832.09	0.00	993.33	993.33	0.00	0.00	0.00	
5700.00	88.92	90.00	4833.98	0.00	1093.31	1093.31	0.00	0.00	0.00	
5800.00	88.92	90.00	4835.86	0.00	1193.30	1193.30	0.00	0.00	0.00	
5900.00	88.92	90.00	4837.75	0.00	1293.28	1293.28	0.00	0.00	0.00	
6000.00	88.92	90.00	4839.63	0.00	1393.26	1393.26	0.00	0.00	0.00	
6100.00	88.92	90.00	4841.52	0.00	1493.24	1493.24	0.00	0.00	0.00	
6200.00	88.92	90.00	4843.40	0.00	1593.22	1593.22	0.00	0.00	0.00	
6300.00	88.92	90.00	4845.29	0.00	1693.21	1693.21	0.00	0.00	0.00	
6400.00	88.92	90.00	4847.17	0.00	1793.19	1793.19	0.00	0.00	0.00	
6500.00	88.92	90.00	4849.06	0.00	1893.17	1893.17	0.00	0.00	0.00	
6600.00	88.92	90.00	4850.94	0.00	1993.15	1993.15	0.00	0.00	0.00	
6700.00	88.92	90.00	4852.82	0.00	2093.14	2093.14	0.00	0.00	0.00	
6800.00	88.92	90.00	4854.71	0.00	2193.12	2193.12	0.00	0.00	0.00	
6900.00	88.92	90.00	4856.59	0.00	2293.10	2293.10	0.00	0.00	0.00	
7000.00	88.92	90.00	4858.48	0.00	2393.08	2393.08	0.00	0.00	0.00	
7035.92	88.92	90.00	4859.00	0.00	2429.00	2429.00	0.00	0.00	0.00	

MarBob Energy
 Eddy, Co. NM
 Grey Wolf #76
 Looney #1
 Location #2(900' East of SL)

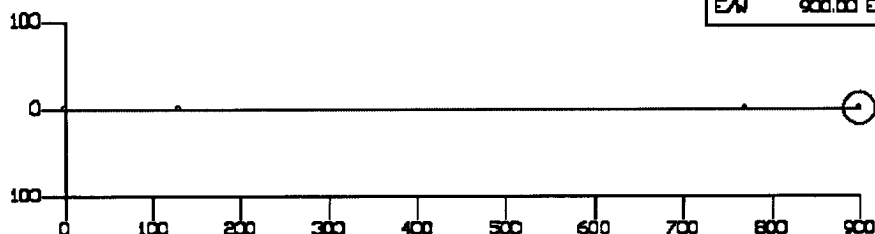


7/17/2003 3:19 pm

VERTICAL VIEW
 SCALE 200 ft. / DIVISION
 TVD REF: WELLHEAD
 VERTICAL SECTION REF: WELLHEAD



HORIZONTAL VIEW
 SCALE 100 ft. / DIVISION
 SURVEY REF: WELLHEAD



PROPOSED B/L		
TVD	8000.00	
MD	9107.99	
N/S	900.00	N/E
E/W	0.00	N/E
E/W	900.00	N/E

CRITICAL POINT DATA						
TIE IN	MD	InC	AsC	TVD	N/S	E/W
KOP / START OF BUILD @ 1.50°/100 ft	4535	0.00°	90.00°	4535	0 N	0 E
END OF BUILD	5524	15.00°	90.00°	5524	0 N	130 E
START OF CURVE @ 1.50°/100 ft	7911	15.00°	90.00°	7911	0 N	770 E
Target	8907	0.00°	90.00°	8907	0 N	910 E
Proposed 7\" csg. point	9107	0.00°	90.00°	9107	0 N	910 E

GENERAL DRILLING PROGRAM- Attachment to Form C-101

Southwestern Energy Production Company- Shrike State "10-H" #1

Surface location : 1964' FSL 1189' FWL

Bottom hole location : 1964' FSL 1662' FEL end of horizontal lateral

Proposed point of entry (CC6) prod. zone: 1964' FSL 1676' FWL @ 5008' MD / 4805' TVD

Proposed completion as 1942' open horizontal lateral

Section 10-T25S-R28E

Eddy County, New Mexico

Elevation: 2927' GR / 2942' RKBProposed Total Depth: 7035' MD / 4859' TVDEstimated Formation Tops

Rustler	525'
Salt	1000'
Bell Canyon	2576'
Cherry Canyon	3384'
Cherry Canyon Mrkr	4785'
Cherry Canyon 6 Sand	4801'

Casing/Cement Program

<u>Hole Size</u>	<u>Casing Size/Weight/Grade</u>	<u>Setting Depth</u>	<u>Cement</u>	<u>Est. TOC</u>
26"	20" Conductor pipe	40'	ready mix	surface
12-1/4"	9-5/8" 36# J-55 ST&C	550'	350 sx Class C+ 2% S1 + 0.25 pps D29	surface
8-3/4"	7" 23.0# N-80 BTC	5008'	Lead: 110 sx 35:65 Poz:C +5% D44 Tail: 160 sx 50:50 Poz: Class C + 3% D44 +1.5 gps D600 + 0.05 gps D604AM+0.05 gps D47 + 3% D174	3400'

Drilling Fluids Program

<u>Depth</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Comments</u>
0-550'	8.6-9.0	32-36	NC	spud mud, paper
550'-5008'	10.0-10.1	28-29	NC-20 cc	brine, lime, paper, Star NP 110, xanthan gum sweeps
5008'-7035'	8.4 - 8.5	28-29	NC	fresh water, caustic, xanthan gum sweeps, Ultra Lube II

Blowout Prevention Program- Attachment to Form C-101

0'-550' 20" 2000# annular preventer system.

550'-5008' 11" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 5000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

5008'-7035' 11" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 5000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

Any equipment failing to test satisfactorily, will be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log.

The BOP's will be maintained ready for use until drilling operations are completed. BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.