

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM16131

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
SHIRE 22 FED 1H

2. Name of Operator

DEVON ENERGY PRODUCTION CO

Contact: LINDA GOOD

Email: linda.good@dvn.com

9. API Well No.

30-015-43222-00-X1

3a. Address

333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405.552.6558

10. Field and Pool, or Exploratory
WILDCAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T25S R31E SWSE 14FSL 1660FEL

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

While drilling the conductor hole for the Shire 22 Fed 1H well, the rat hole rig got stuck at 165' and tools could not be freed after working pipe and circulating for several hours. BLM was notified and verbal permission granted to cement conductor hole to surface and move over 10 feet and drill new conductor for Shire 22 fed 1H.

Devon Energy Co., L.P. respectfully requests to move the surface location from 14' FSL & 1660' FEL to 14' FSL & 1670' FEL.

Attached are the revised C-102, Wall Plot and 2 Proposal Reports.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 30 2015

RECEIVED

Accepted for record

LSD NMOC 9/30/15

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #317245 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/22/2015 (15DW0100SE)

Name (Printed/Typed) LINDA GOOD

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 09/22/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DUNCAN WHITLOCK

Title TECHNICAL LPET

Date 09/22/2015

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 102-6161 Fax: (575) 293-9720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9730
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-43222		² Pool Code 96641		³ Pool Name Paduca; Bone Spring	
⁴ Property Code 315034		⁵ Property Name SHIRE 22 FED			⁶ Well Number 1H
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3362.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	25 S	31 E		14	SOUTH	1670	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

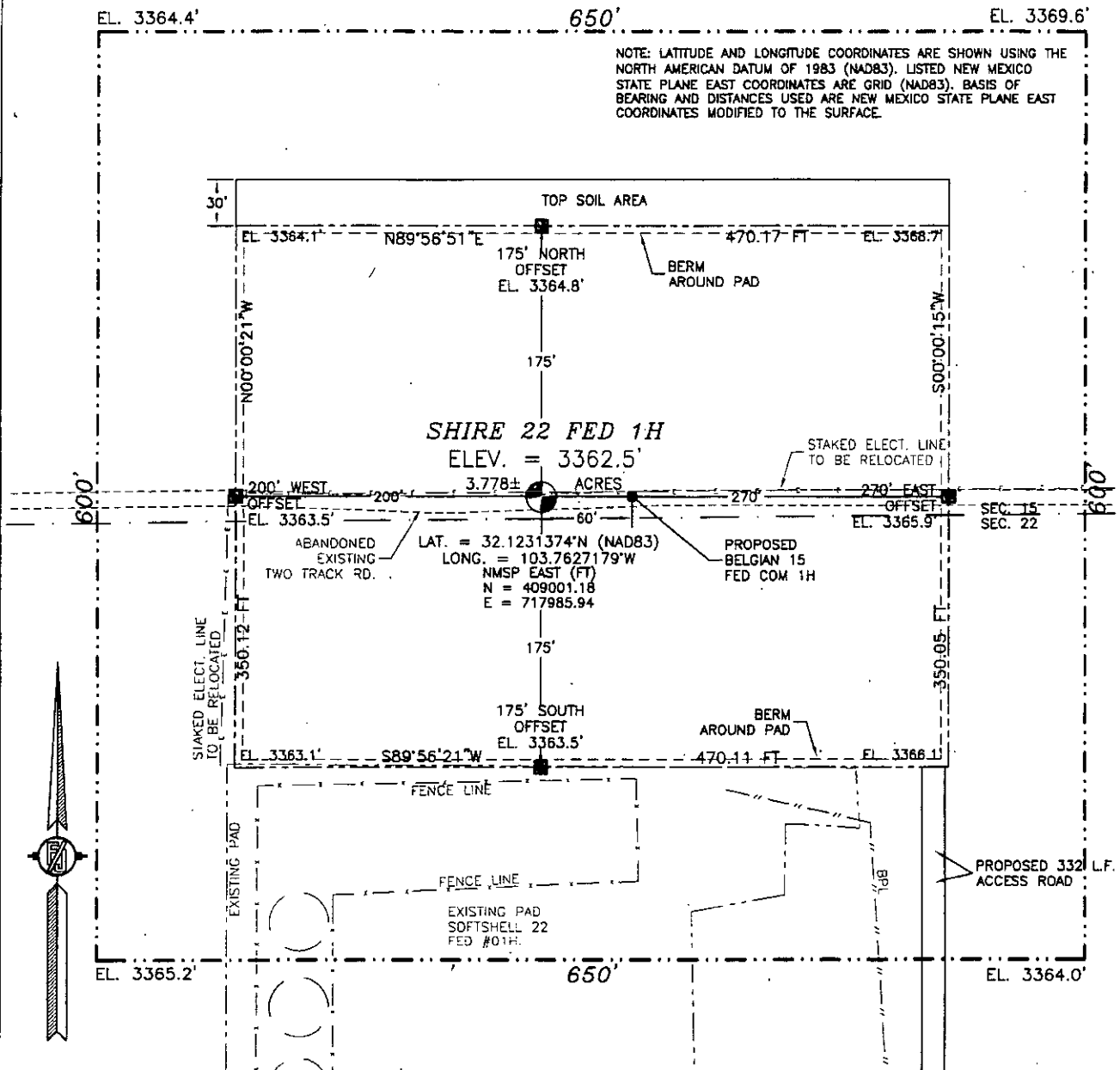
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	22	25 S	31 E		330	SOUTH	1980	EAST	EDDY

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

NW CORNER SEC. 15 LAT. = 32.1376857°N LONG. = 103.7743767°W NMSP EAST (FT) N = 414274.57 E = 714349.16 W/4 CORNER SEC. 15 SCALED SECTION CORNER LAT. = 32.1230977°N LONG. = 103.7744128°W NMSP EAST (FT) N = 408957.74 E = 714365.52 W/4 CORNER SEC. 22 LAT. = 32.1158227°N LONG. = 103.7744447°W NMSP EAST (FT) N = 406321.16 E = 714369.37 SW CORNER SEC. 22 LAT. = 32.1085472°N LONG. = 103.7744766°W NMSP EAST (FT) N = 403674.44 E = 714373.22		N/4 CORNER SEC. 15 LAT. = 32.1376837°N LONG. = 103.7658094°W NMSP EAST (FT) N = 414287.82 E = 717000.99 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. SEC. 15 SHIRE 22 FED 1H ELEV. = 3362.5' LAT. = 32.1231374°N (NAD83) LONG. = 103.7627179°W NMSP EAST (FT) N = 409001.18 E = 717985.94 SURFACE LOCATION QUARTER CORNER LAT. = 32.1230874°N LONG. = 103.7659304°W NMSP EAST (FT) N = 408977.73 E = 716991.53 SEC. 22 BOTTOM OF HOLE LAT. = 32.1084461°N LONG. = 103.7637387°W NMSP EAST (FT) N = 404024.4 E = 717696.2 S/4 CORNER SEC. 22 LAT. = 32.1085528°N LONG. = 103.7659126°W NMSP EAST (FT) N = 403690.32 E = 717024.88 BOTTOM OF HOLE 1980		NE CORNER SEC. 15 LAT. = 32.1376926°N LONG. = 103.7572043°W NMSP EAST (FT) N = 414305.21 E = 719664.53 E/4 CORNER SEC. 15 LAT. = 32.1304613°N LONG. = 103.7572709°W NMSP EAST (FT) N = 411802.64 E = 719658.11 SECTION CORNER LAT. = 32.1231775°N LONG. = 103.7573247°W NMSP EAST (FT) N = 409002.97 E = 719655.63 E/4 CORNER SEC. 22 LAT. = 32.1158546°N LONG. = 103.7573421°W NMSP EAST (FT) N = 406360.67 E = 719654.36 SE CORNER SEC. 22 LAT. = 32.1085597°N LONG. = 103.7573438°W NMSP EAST (FT) N = 403706.91 E = 719678.01		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest in, or an undivided 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division. <i>Linda Good</i> 9/21/2015 Signature Date Linda Good Printed Name linda.good@dvn.com E-mail Address ¹⁸ 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 are true and correct to the best of my knowledge. SEPT 21 2015 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Cert. No. 12797 FELIX M. LUCAMILLO, PLS 12797 SURVEY NO. 3193A
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**SECTION 15, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP**



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF NM HIGHWAY 128 (JAL HWY) AND ORLA ROAD (CR-1) GO SOUTH ON ORLA ROAD 6.2 MILES TO MONSANTO ROAD ON RIGHT GO WEST ON MONSANTO ROAD 2.0 MILES TO ROAD INTERSECTION GO NORTH (RIGHT) 2.8 MILES TO ROAD INTERSECTION NORTH, SOUTH & SOUTHWEST GO SOUTHWEST 1.35 MILES ABOUT 200'± PAST A CATTLE GUARD TURN RIGHT OVER ANOTHER CATTLE GUARD GO WEST 0.25 MILES ON RIGHT FOLLOW FLAGS 332 L.F. NORTH TO SOUTHEAST CORNER OF PAD

DEVON ENERGY PRODUCTION COMPANY, L.P.

SHIRE 22 FED 1H

LOCATED 14 FT. FROM THE SOUTH LINE
AND 1670 FT. FROM THE EAST LINE OF
SECTION 15, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

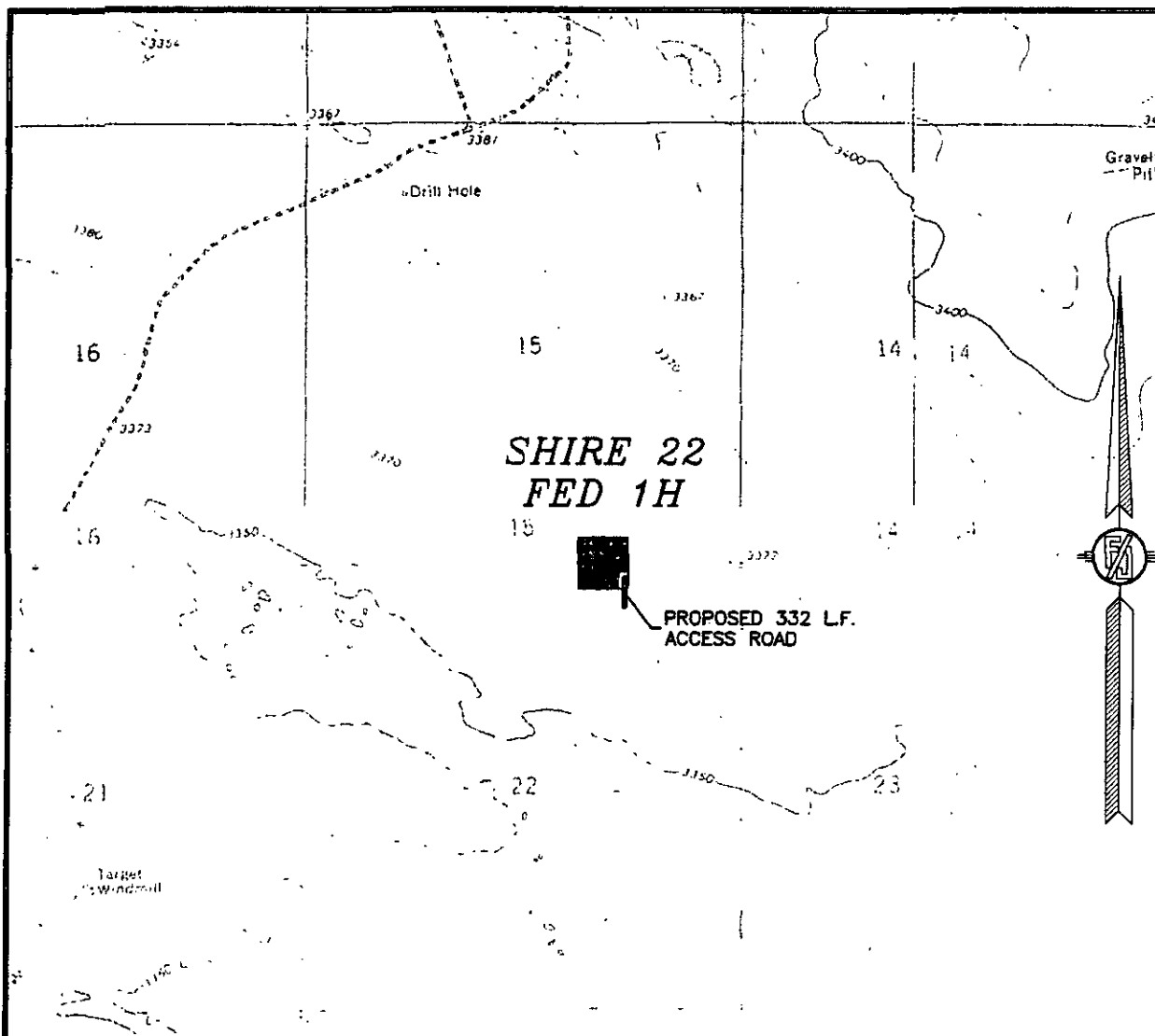
SEPTEMBER 20, 2015

SURVEY NO. 3193A

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO



USGS QUAD MAP:
BIG SINKS
PHANTOM BANKS

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
SHIRE 22 FEB 1H

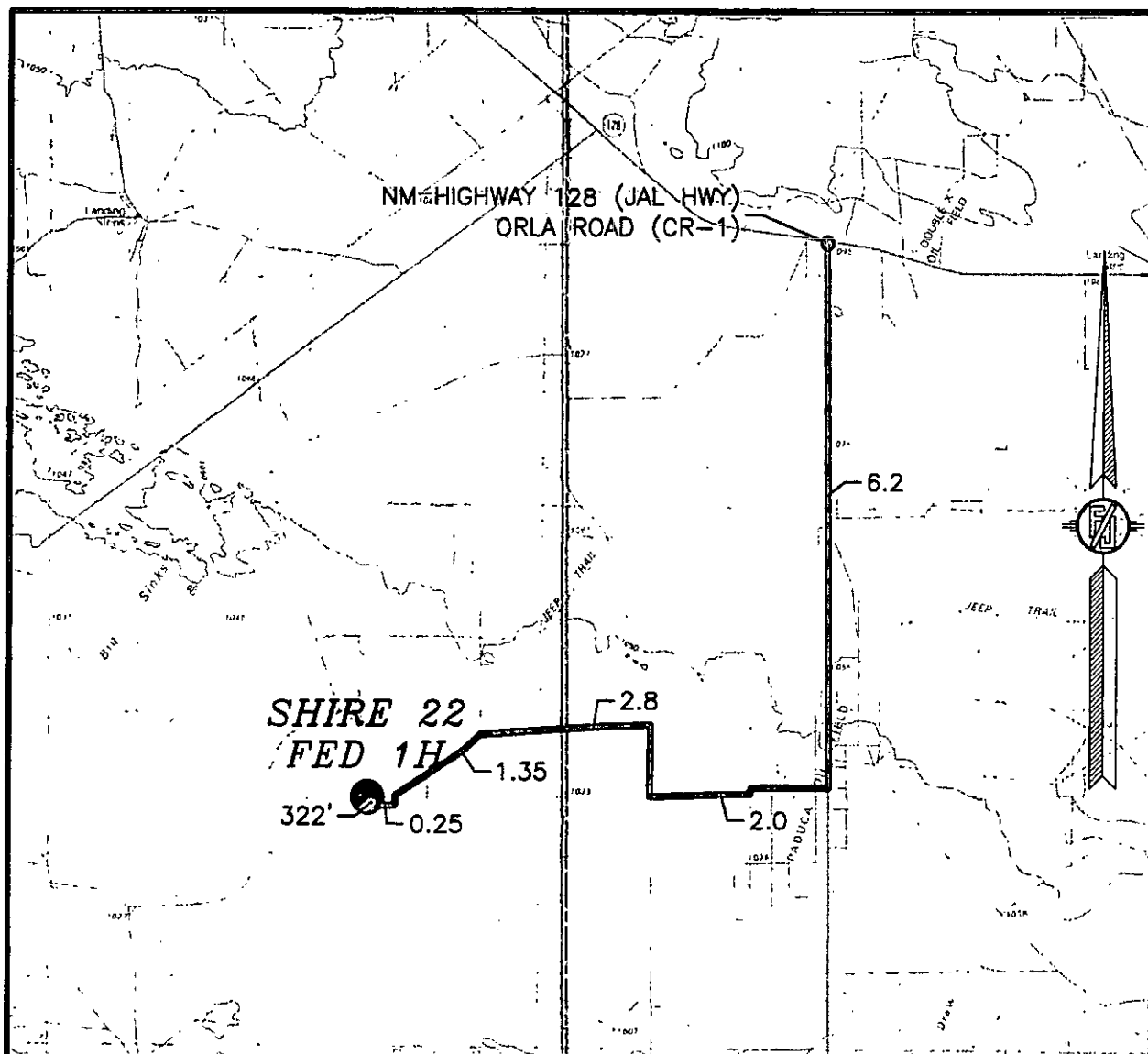
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RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 20, 2015

SURVEY NO. 3193A

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 15, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF NM HIGHWAY 128 (JAL HWY) AND ORLA ROAD (CR-1) GO SOUTH ON ORLA ROAD 6.2 MILES TO MONSANTO ROAD ON RIGHT GO WEST ON MONSANTO ROAD 2.0 MILES TO ROAD INTERSECTION GO NORTH (RIGHT) 2.8 MILES TO ROAD INTERSECTION NORTH, SOUTH & SOUTHWEST GO SOUTHWEST 1.35 MILES ABOUT 200'± PAST A CATTLE GUARD TURN RIGHT OVER ANOTHER CATTLE GUARD GO WEST 0.25 MILES ON RIGHT FOLLOW FLAGS 332 L.F. NORTH TO SOUTHEAST CORNER OF PAD

DEVON ENERGY PRODUCTION COMPANY, L.P.

SHIRE 22 FED 1H

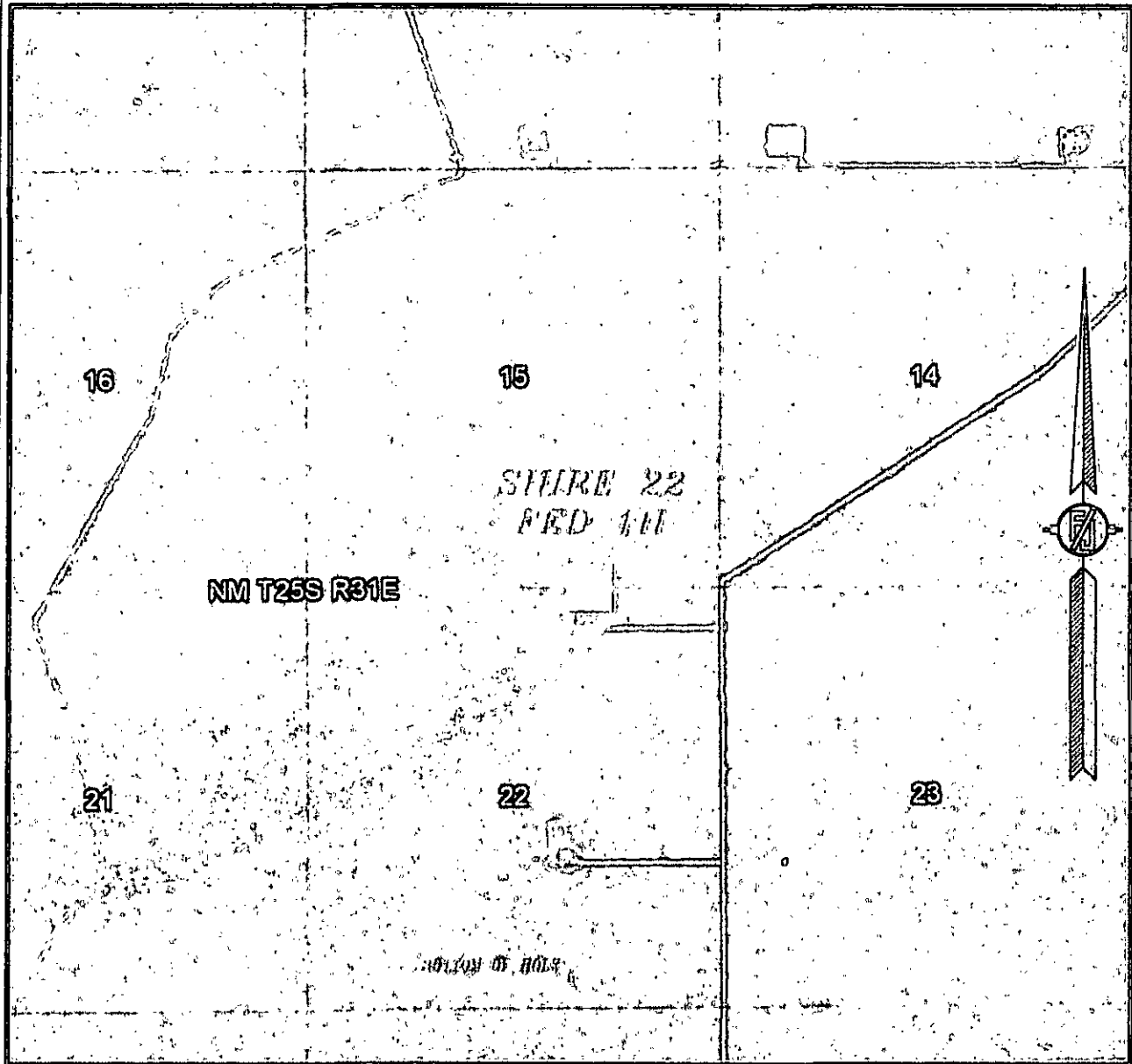
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SECTION 15, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 20, 2015

SURVEY NO. 3193A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 15, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
APR. 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.
SHIRE 22 FED 1H

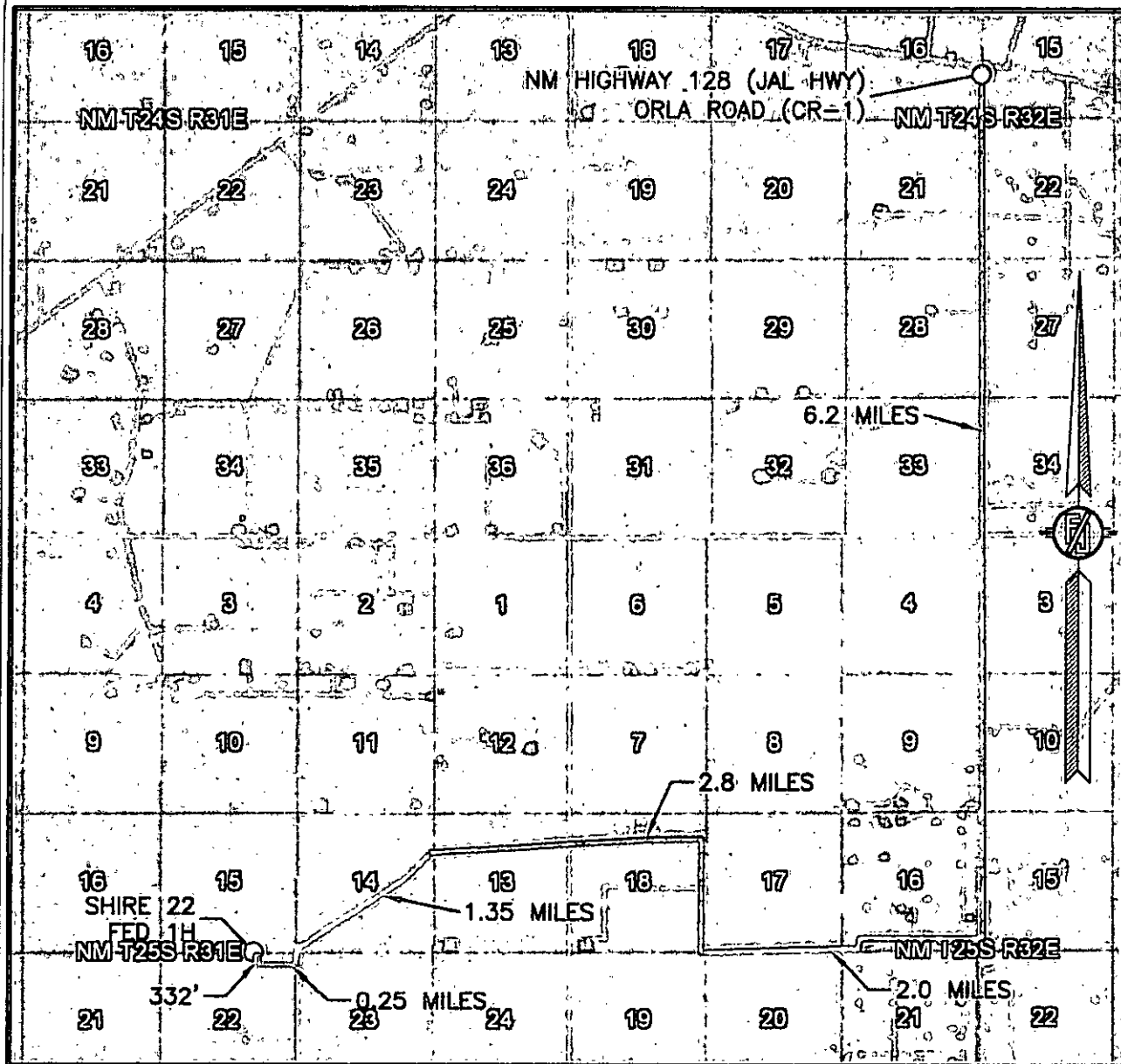
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EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 20, 2015

SURVEY NO. 3193A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 15, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 AERIAL ACCESS ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 APR. 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.
 SHIRE 22 FED 1H

LOCATED 14 FT. FROM THE SOUTH LINE
 AND 1670 FT. FROM THE EAST LINE OF
 SECTION 15, TOWNSHIP 25 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 20, 2015

SURVEY NO. 3193A

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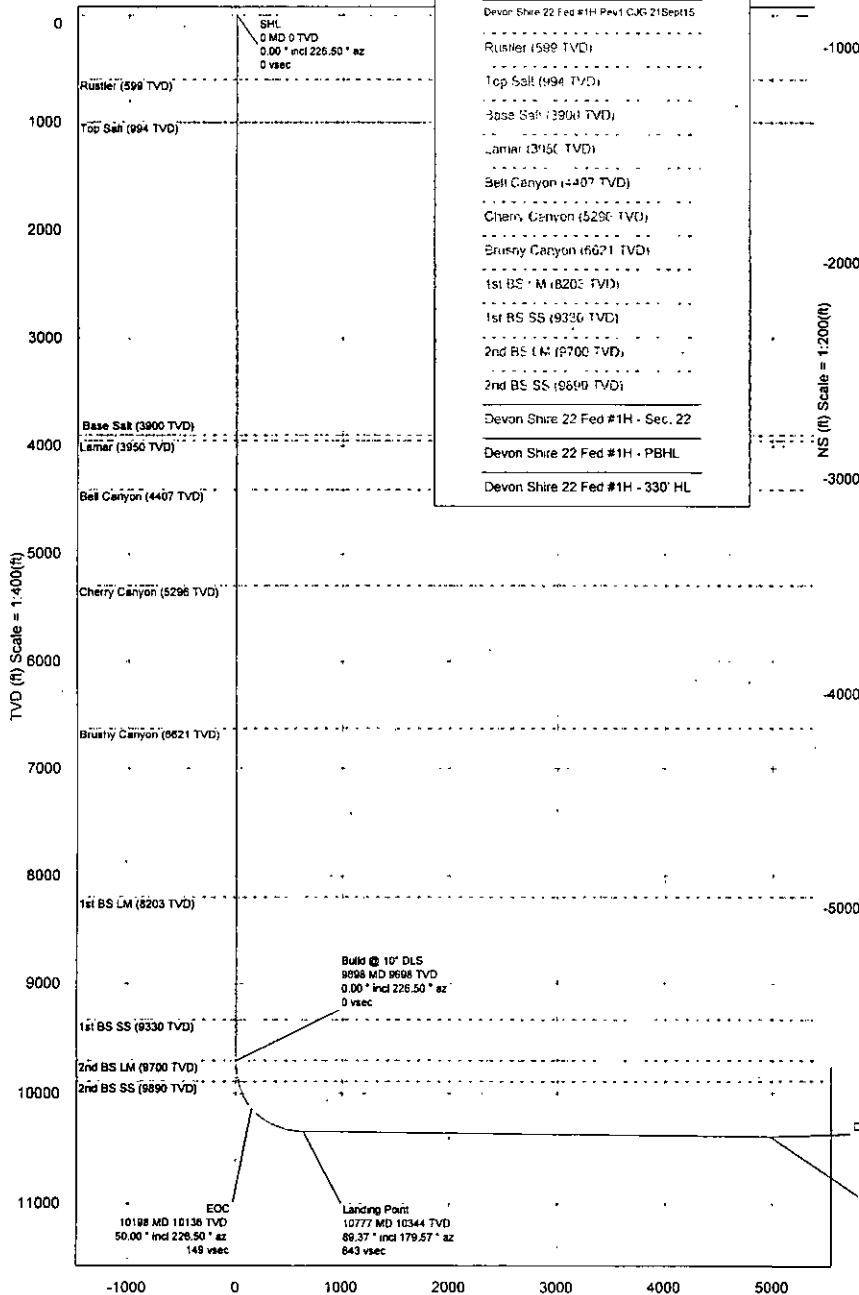
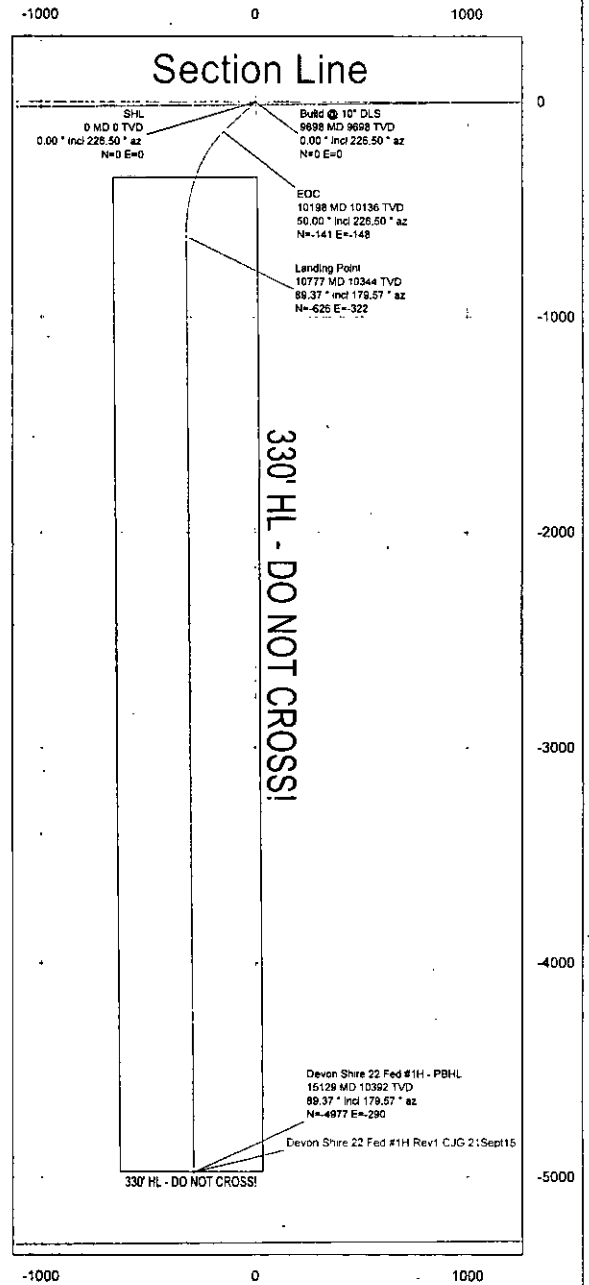
Borehole:	Well:	Field:	Structure:
Original Borehole	Shire 22 Fed #1H	NM Eddy County (NAD 83)	TBD

Gravity & Magnetic Parameters	Surface Location	MACS New Mexico State Plane, Eastern Zone, US Feet	Metadata
Model: HDSM 2018	Lat: N 32 1 23.28	Northings: 409801.107128	Site: Shire 22 Fed #1H TVD Ref: RUS(3397.50 above MSL)
Day: 88.581"	Long: W 103 45 43.28	Eastings: 717966.947025	Plan: Rev1 CJG 21Sept15
Date: 21-Sep-2015		Scale Fact: 0.99994463	
FB: 48219.473m			
Gravity FB: 998.427 mgn (9.80665 Based)			

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL	0.00	0.00	226.50	0.00	0.00	0.00	0.00	0.00
Rustler	599.00	0.00	226.50	599.00	0.00	0.00	0.00	0.00
Top Salt	994.00	0.00	226.50	994.00	0.00	0.00	0.00	0.00
Base Salt	3906.00	0.00	226.50	3906.00	0.00	0.00	0.00	0.00
Lamar	3950.00	0.00	226.50	3950.00	0.00	0.00	0.00	0.00
Bell Canyon	4407.00	0.00	226.50	4407.00	0.00	0.00	0.00	0.00
Cherry Canyon	5296.00	0.00	226.50	5296.00	0.00	0.00	0.00	0.00
Brushy Canyon	6621.00	0.00	226.50	6621.00	0.00	0.00	0.00	0.00
1st BS LM	8203.00	0.00	226.50	8203.00	0.00	0.00	0.00	0.00
1st BS SS	9330.00	0.00	226.50	9330.00	0.00	0.00	0.00	0.00
Build @ 10" DLS	9697.54	0.00	226.50	9697.54	0.00	0.00	0.00	0.00
2nd BS LM	9700.00	0.25	226.50	9700.00	0.00	0.00	0.00	10.00
2nd BS SS	9893.82	19.63	226.50	9890.00	24.28	-22.92	-24.15	10.00
EOC	10198.54	50.00	226.50	10136.45	149.27	-140.88	-148.46	10.00
Landing Point	10777.38	89.37	179.57	10344.02	643.45	-625.75	-322.50	10.00
Devon Shire 22 Fed #1H - PBHL	15129.01	88.37	179.57	10392.00	4985.43	-4977.00	-288.75	0.00



Grid
True
Mag
Grid North
Tst Cor: (MAG 6.739")
Mag Dec (7.042")
Grid Conv (0.303")



CONTROLLED	
Rev:	1
Drawn by:	WJ
Checked by:	WJ
Date:	21 Sep 2015
By:	
Check:	
Draw:	
Check:	
Draw:	
Check:	
Draw:	
Check:	

Devon Shire 22 Fed #1H Rev1 CJG 21Sept15 Proposal Geodetic Report



(Non-Def Plan)

Report Date: September 21, 2015 - 03:37 PM
Client: Devon
Field: NM Eddy County (NAD 83)
Structure / Slot: Devon Shire 22 Fed #1H / Shire 22 Fed #1H
Well: Shire 22 Fed #1H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Devon Shire 22 Fed #1H Rev1 CJG 21Sept15
Survey Date: September 21, 2015
Tort / AHD / DDI / ERD Ratio: 107.888 * / 5084.913 ft / 5.903 / 0.488
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 7' 23.29477", W 103° 45' 45.78451"
Location Grid N/E Y/X: N 409001.180 NUS, E 717985.940 NUS
CRS Grid Convergence Angle: 0.3034 *
Grid Scale Factor: 0.99994483
Version / Patch: 2.8 572.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 183.332 * (Cnd North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3387.500 ft above MSL
Seabed / Ground Elevation: 3382.500 ft above MSL
Magnetic Declination: 7.042 *
Total Gravity Field Strength: 998.4268mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48219.473 nT
Magnetic Dip Angle: 59.882 *
Declination Date: September 21, 2015
Magnetic Declination Model: HDGM 2015
North Reference: Grid North
Grid Convergence Used: 0.3034 *
Total Corr Mag North->Grid North: 6.7387 *
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	226.50	0.00	0.00	0.00	0.00	N/A	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Rustler	599.00	0.00	226.50	599.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Top Salt	994.00	0.00	226.50	994.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Base Salt	3900.00	0.00	226.50	3900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Lamar	3950.00	0.00	226.50	3950.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Beñ Canyon	4407.00	0.00	226.50	4407.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Cherry Canyon	5295.00	0.00	226.50	5295.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Brushy Canyon	6621.00	0.00	226.50	6621.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
1st BS LM	8203.00	0.00	226.50	8203.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
1st BS SS	9330.00	0.00	226.50	9330.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Build @ 10° DLS	9697.54	0.00	226.50	9697.54	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
2nd BS LM	9700.00	0.25	226.50	9700.00	0.00	0.00	0.00	10.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
2nd BS SS	9863.82	19.63	226.50	9860.00	24.28	-22.92	-24.15	10.00	408978.27	717961.79	N 32 7 23.07	W 103 45 46.07
EOC	10187.54	50.00	226.50	10136.45	149.27	-140.88	-148.46	10.00	408980.30	717837.49	N 32 7 21.91	W 103 45 47.52
Landing Point	10777.38	89.37	179.57	10344.02	543.45	-625.76	-322.50	10.00	408375.48	717663.46	N 32 7 17.12	W 103 45 49.57
Devon Shire 22 Fed #1H - PBHL	15129.01	89.37	179.57	10392.00	4985.43	-4977.00	-289.75	0.00	404024.45	717696.21	N 32 6 34.06	W 103 45 49.46

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/100.000	30.000	30.000	SLB_UNKNOWN-Depth Only	Original Borehole / Devon Shire 22 Fed #1H Rev1 CJG 21Sept15
	1	25.000	15129.009	1/100.000	30.000	30.000	SLB_UNKNOWN	Original Borehole / Devon Shire 22 Fed #1H Rev1 CJG 21Sept15

Devon Shire 22 Fed #1H Rev1 CJG 21Sept15 Proposal Geodetic Report



(Non-Def Plan)

Report Date: September 21, 2015 - 03:37 PM
 Client: Devon
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Devon Shire 22 Fed #1H / Shire 22 Fed #1H
 Well: Shire 22 Fed #1H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Devon Shire 22 Fed #1H Rev1 CJG 21Sept15
 Survey Date: September 21, 2015
 Tort / AHD / DDI / ERD Ratio: 107.988 * / 5084.913 ft / 5.903 / 0.489
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 7' 23.29477", W 103° 45' 45.78451"
 Location Grid N/E Y/X: N 409001.180 ftUS, E 717985.940 ftUS
 CRS Grid Convergence Angle: 0.3034 *
 Grid Scale Factor: 0.99994483
 Version / Patch: 2 8 572.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 183.332 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3387.500 ft above MSL
 Seabed / Ground Elevation: 3382.500 ft above MSL
 Magnetic Declination: 7.042 *
 Total Gravity Field Strength: 998.4268mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48219.473 nT
 Magnetic Dip Angle: 59.882 *
 Declination Date: September 21, 2015
 Magnetic Declination Model: HDGM 2015
 North Reference: Gnd North
 Grid Convergence Used: 0.3034 *
 Total Corr Mag North-Grid North: 6.7387 *
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	226.50	0.00	0.00	0.00	0.00	N/A	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	100.00	0.00	226.50	100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	200.00	0.00	226.50	200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	300.00	0.00	226.50	300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	400.00	0.00	226.50	400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
Rustler	500.00	0.00	226.50	500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	599.00	0.00	226.50	599.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	600.00	0.00	226.50	600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	700.00	0.00	226.50	700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	800.00	0.00	226.50	800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
Top Salt	900.00	0.00	226.50	900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	994.00	0.00	226.50	994.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1000.00	0.00	226.50	1000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1100.00	0.00	226.50	1100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1200.00	0.00	226.50	1200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1300.00	0.00	226.50	1300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1400.00	0.00	226.50	1400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1500.00	0.00	226.50	1500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1600.00	0.00	226.50	1600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1700.00	0.00	226.50	1700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1800.00	0.00	226.50	1800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	1900.00	0.00	226.50	1900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2000.00	0.00	226.50	2000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2100.00	0.00	226.50	2100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2200.00	0.00	226.50	2200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2300.00	0.00	226.50	2300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2400.00	0.00	226.50	2400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2500.00	0.00	226.50	2500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2600.00	0.00	226.50	2600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2700.00	0.00	226.50	2700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2800.00	0.00	226.50	2800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	2900.00	0.00	226.50	2900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3000.00	0.00	226.50	3000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3100.00	0.00	226.50	3100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3200.00	0.00	226.50	3200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3300.00	0.00	226.50	3300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3400.00	0.00	226.50	3400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3500.00	0.00	226.50	3500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3600.00	0.00	226.50	3600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3700.00	0.00	226.50	3700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
Base Salt	3800.00	0.00	226.50	3800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
Lamar	3900.00	0.00	226.50	3900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	3950.00	0.00	226.50	3950.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4000.00	0.00	226.50	4000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4100.00	0.00	226.50	4100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4200.00	0.00	226.50	4200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4300.00	0.00	226.50	4300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4400.00	0.00	226.50	4400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
Beil Canyon	4407.00	0.00	226.50	4407.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4500.00	0.00	226.50	4500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4600.00	0.00	226.50	4600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4700.00	0.00	226.50	4700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4800.00	0.00	226.50	4800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	4900.00	0.00	226.50	4900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5000.00	0.00	226.50	5000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5100.00	0.00	226.50	5100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5200.00	0.00	226.50	5200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
Cherry Canyon	5296.00	0.00	226.50	5296.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5300.00	0.00	226.50	5300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5400.00	0.00	226.50	5400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5500.00	0.00	226.50	5500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5600.00	0.00	226.50	5600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5700.00	0.00	226.50	5700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5800.00	0.00	226.50	5800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"
	5900.00	0.00	226.50	5900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32° 7' 23.29"	W 103° 45' 45.78"

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6000.00	0.00	228.50	6000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6100.00	0.00	228.50	6100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6200.00	0.00	228.50	6200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6300.00	0.00	228.50	6300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6400.00	0.00	228.50	6400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Brushy Canyon	6500.00	0.00	228.50	6500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6600.00	0.00	228.50	6600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6621.00	0.00	228.50	6621.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6700.00	0.00	228.50	6700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6800.00	0.00	228.50	6800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	6900.00	0.00	228.50	6900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7000.00	0.00	228.50	7000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7100.00	0.00	228.50	7100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7200.00	0.00	228.50	7200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7300.00	0.00	228.50	7300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7400.00	0.00	228.50	7400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7500.00	0.00	228.50	7500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7600.00	0.00	228.50	7600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7700.00	0.00	228.50	7700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	7800.00	0.00	228.50	7800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
1st BS LM	7900.00	0.00	228.50	7900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8000.00	0.00	228.50	8000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8100.00	0.00	228.50	8100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8200.00	0.00	228.50	8200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8203.00	0.00	228.50	8203.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8300.00	0.00	228.50	8300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8400.00	0.00	228.50	8400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8500.00	0.00	228.50	8500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8600.00	0.00	228.50	8600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8700.00	0.00	228.50	8700.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8800.00	0.00	228.50	8800.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	8900.00	0.00	228.50	8900.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9000.00	0.00	228.50	9000.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9100.00	0.00	228.50	9100.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9200.00	0.00	228.50	9200.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
1st BS SS	9300.00	0.00	228.50	9300.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9330.00	0.00	228.50	9330.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9400.00	0.00	228.50	9400.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9500.00	0.00	228.50	9500.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9600.00	0.00	228.50	9600.00	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
Build @ 10° DLS	9697.54	0.00	228.50	9697.54	0.00	0.00	0.00	0.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
2nd BS LM	9700.00	0.25	228.50	9700.00	0.00	0.00	0.00	10.00	409001.18	717985.94	N 32 7 23.29	W 103 45 45.78
	9800.00	10.25	228.50	9799.45	8.86	-6.29	-6.63	10.00	408994.89	717979.31	N 32 7 23.23	W 103 45 45.86
2nd BS SS	9893.82	19.63	228.50	9890.00	24.28	-22.92	-24.15	10.00	408978.27	717961.79	N 32 7 23.07	W 103 45 46.07
	9900.00	20.25	228.50	9895.81	25.82	-24.37	-25.68	10.00	408976.81	717960.25	N 32 7 23.05	W 103 45 46.08
EOC	10000.00	30.25	228.50	9886.15	56.89	-53.69	-56.58	10.00	408947.49	717929.37	N 32 7 22.77	W 103 45 46.45
	10100.00	40.25	228.50	10067.71	98.92	-93.36	-98.38	10.00	408807.82	717887.56	N 32 7 22.38	W 103 45 46.93
	10197.54	50.00	228.50	10136.45	149.27	-140.88	-148.46	10.00	408680.30	717837.49	N 32 7 21.91	W 103 45 47.52
	10200.00	50.13	228.22	10138.03	150.65	-142.19	-149.83	10.00	408599.00	717836.12	N 32 7 21.90	W 103 45 47.54
	10300.00	55.71	215.81	10198.41	213.78	-202.39	-201.84	10.00	408798.80	717784.12	N 32 7 21.30	W 103 45 48.14
	10400.00	62.06	206.78	10250.13	289.34	-275.51	-246.02	10.00	408725.69	717739.93	N 32 7 20.58	W 103 45 48.66
Landing Point	10500.00	68.94	198.79	10291.63	375.06	-359.33	-281.04	10.00	408641.87	717704.92	N 32 7 19.75	W 103 45 49.07
	10600.00	76.15	191.52	10321.64	468.32	-451.31	-305.83	10.00	408549.90	717680.13	N 32 7 18.85	W 103 45 49.37
	10700.00	83.57	184.70	10339.25	566.29	-548.64	-319.63	10.00	408452.57	717666.33	N 32 7 17.88	W 103 45 49.53
	10777.38	89.37	179.57	10344.02	643.45	-625.76	-322.50	10.00	408375.46	717663.46	N 32 7 17.12	W 103 45 49.57
	10800.00	89.37	179.57	10344.27	666.02	-648.38	-322.33	0.00	408352.84	717663.63	N 32 7 16.90	W 103 45 49.57
	10900.00	89.37	179.57	10345.37	765.80	-748.37	-321.58	0.00	408252.85	717664.38	N 32 7 15.91	W 103 45 49.57
	11000.00	89.37	179.57	10346.47	865.58	-848.36	-320.83	0.00	408152.87	717665.13	N 32 7 14.92	W 103 45 49.57
	11100.00	89.37	179.57	10347.57	965.35	-948.35	-320.08	0.00	408052.88	717665.88	N 32 7 13.93	W 103 45 49.56
	11200.00	89.37	179.57	10348.67	1065.13	-1048.35	-319.32	0.00	407952.89	717666.63	N 32 7 12.94	W 103 45 49.56
	11300.00	89.37	179.57	10349.77	1164.91	-1148.34	-318.57	0.00	407852.91	717667.38	N 32 7 11.95	W 103 45 49.56
	11400.00	89.37	179.57	10350.87	1264.69	-1248.33	-317.82	0.00	407752.92	717668.14	N 32 7 10.96	W 103 45 49.56
	11500.00	89.37	179.57	10351.97	1364.47	-1348.32	-317.07	0.00	407652.94	717668.89	N 32 7 9.97	W 103 45 49.55
	11600.00	89.37	179.57	10353.07	1464.25	-1448.31	-316.32	0.00	407552.95	717669.64	N 32 7 8.98	W 103 45 49.55
	11700.00	89.37	179.57	10354.17	1564.02	-1548.30	-315.57	0.00	407452.97</			

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	14100.00	89.37	179.57	10380.63	3958.70	-3948.09	-297.51	0.00	405053.32	717688.45	N 32 6 44.24	W 103 45 49.49
	14200.00	89.37	179.57	10381.73	4058.48	-4048.08	-298.75	0.00	404953.33	717689.20	N 32 6 43.25	W 103 45 49.48
	14300.00	89.37	179.57	10382.84	4158.26	-4148.07	-298.00	0.00	404853.35	717689.96	N 32 6 42.26	W 103 45 49.48
	14400.00	89.37	179.57	10383.94	4258.04	-4248.06	-295.25	0.00	404753.36	717690.71	N 32 6 41.27	W 103 45 49.48
	14500.00	89.37	179.57	10385.05	4357.82	-4348.05	-294.49	0.00	404653.38	717691.46	N 32 6 40.28	W 103 45 49.48
	14600.00	89.37	179.57	10386.15	4457.60	-4448.04	-293.74	0.00	404553.39	717692.22	N 32 6 39.30	W 103 45 49.47
	14700.00	89.37	179.57	10387.26	4557.37	-4548.03	-292.98	0.00	404453.41	717692.97	N 32 6 38.31	W 103 45 49.47
	14800.00	89.37	179.57	10388.36	4657.15	-4648.02	-292.23	0.00	404353.42	717693.73	N 32 6 37.32	W 103 45 49.47
	14900.00	89.37	179.57	10389.47	4756.93	-4748.02	-291.47	0.00	404253.44	717694.48	N 32 6 36.33	W 103 45 49.47
	15000.00	89.37	179.57	10390.57	4856.71	-4848.01	-290.72	0.00	404153.45	717695.24	N 32 6 35.34	W 103 45 49.46
	15100.00	89.37	179.57	10391.68	4956.49	-4948.00	-289.97	0.00	404053.46	717695.99	N 32 6 34.35	W 103 45 49.46
Devon Shire 22 Fed #1H - PSHL	15129.01	89.37	179.57	10392.00	4985.43	-4977.00	-289.75	0.00	404024.46	717696.21	N 32 6 34.06	W 103 45 49.46

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EDU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/100.000	30.000	30.000	SLB_UNKNOWN-Depth Only	Original Borehole / Devon Shire 22 Fed #1H Rev1 CJG 21Sept15
	1	25.000	15129.009	1/100.000	30.000	30.000	SLB_UNKNOWN	Original Borehole / Devon Shire 22 Fed #1H Rev1 CJG 21Sept15