District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

HOBBS OCD
JAN 23 2018
RECEIVED

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
McElvain Energy Inc 1050 17th St Ste 2500 Denver CO 80265	22044
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 025- 43687	EK Bone Spring	21650

[7] Property Code	[8] Property Name	[9] Well Number
315045	EK 29 BS2 Federal Com	1H

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	Feet from the	East/West line	County
B	29	18S	34E		235	FNL	1420	FEL	LEA

[11] Bottom Hole Location

UL or lot	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	18S	34E		187	FSL	566	FEL	LEA

[12] Lse Code	[13] Producing Method	[14] Gas Connection	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
NM245247	GAS LIFT	11/1/2017	NA		

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
902298	SHELL TRADING COMPANY 100 MAIN, HOUSTON TX, 77002 PO BOX 4604 72210-4604	O
	TARGA VERSADO LP 1000 LA ST STE. 4300 HOUSTON TX, 77002	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
6-17-17	11-1-2017	14918 10151	14818	10168-14758	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17.5	13.375" J55 STC	1902	1780
12.25	9.625" L80 40#	4977	1600
8.5	5.5 P110 17#	14908	2205
TUBING	2.875	9914	9909 PACKER

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
11/4/2017	11/4/2017	11/4/2017	24	642	0
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
22	152	1186	13		FLOW

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Tony Cooper

Printed name: TONY G COOPER

Title: REGULATORY MGR

E-mail Address: TONY.COOPER@MCELVAIN.COM

Date: 12/5/2017

Phone: 303-962-6489

OIL CONSERVATION DIVISION

Approved by:

Title: Petroleum Engineer

Approval Date: 1-23-18

GCP 1-23-18

Pending BLM approvals will subsequently be reviewed and scanned

Not Approved Yet.

Production String Submitted Info on 1-18-17. Should have been on Intermediate String Sundry.

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

Bold* fields are required.

Section 1 - Completed by Operator	
1. BLM Office* Hobbs, NM	**2. Well Type*** OIL
3. Submission Type* ○ Notice of Intent ◉ Subsequent Report	**4. Action*** Drilling Operations

Operating Company Information	
5. Company Name* MCELVAIN ENERGY INC.	
6. Address* 1050 17TH ST STE. 2500 DENVER CO 80265	**7. Phone Number*** 303-893-0933

Administrative Contact Information	
8. Contact Name* TONY G COOPER	**9. Title*** SR EHS SPECIALIST
10. Address* 1050 17TH ST. STE.2500 DENVER CO 80265	**11. Phone Number*** 303-893-0933 331 12. Mobile Number 303-501-0004
13. E-mail* tony.cooper@mcelvain.com	14. Fax Number

Technical Contact Information

☑ Check here if Technical Contact is the same as Administrative Contact.

15. Contact Name* KELLOFF _ JOE	**16. Title*** VP PRODUCTION
17. Address* 1050 17TH STE 2500 DENVER CO 80265	**18. Phone Number*** 303-893-0933 __ 19. Mobile Number 303-808-2546

Pending BLM approvals will subsequently be reviewed and scanned

20. E-mail* joe.kelloff@gmail.com	21. Fax Number

Lease and Agreement	
22. Lease Serial Number* NMNM0245247	
24. If Unit or CA/Agreement, Name and/or Number	**25. Field and Pool, or Exploratory Area*** EK BONE SPRING

County and State for Well
26. County or Parish, State* LEA COUNTY NM

Associated Well Information

27. Specify well using one of the following methods:
a) Well Name, Well Number, API Number, Section, Township, Range, Qtr/Qtr, N/S Footage, E/W Footage
b) Well Name, Well Number, API Number, Latitude, Longitude, Metes & Bounds description

Well Name* EK 29 BS2 FEDERAL COM		**Well Number*** 1H	API Number 30-025-43687
Section 29	Township 18S	Range 34E	Meridian NEW MEXICO PRINCIPAL
Qtr/Qtr	N/S Footage 210 FNL		E/W Footage 1210 FEL
Latitude	Longitude	Metes and Bounds	

28. 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all markers and zones. Attach the Bond under which the work will be performed or provide the Bond Number on file pertinent 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 recompletion 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.

Production Casing

Resumed Drilling Operations on Well: 07-18-2017 @17:00 hrs. with H & P Rig #262 (Flex 3 drilling rig)
McElvain wellsite Rep. notified BLM of Intent to Cement Long String on 29 1H well 4 hours ahead, per COA on 08-10-2017 at 03:00 hrs.
Drilled 8-1/2Â" Production Hole from 4995Â' MD/ 4971Â' TVD to Total Depth of 14,918Â' MD / 10,151Â' TVD. Directional drilled this 2nd Bone Spring fm. & horizontal well interval with PRO Directional. Ran New 5-1/2 Â" 20#/ft. P-110 grade GBCD connection (Buttress) Production Casing w/ 80 Solid Body centralizers, essentially one every 3rd jt. of casing (4929Â' to TD) to 14,908Â' MD. Land casing at 14,908Â', circulate & cement with Haliburton on 8/10/2017 with 580 sxs 11.0 ppg NEOCEM Lead cement and 1625 sxs 14.5 ppg VERSACEM H Tail cement. Good returns, good circulation. Circulated 0 bbls. of cement to surface. Cement not designed to come to surface, Designed & Estimated Top of Cement (TOC) = 4000Â' from surface. Good

Circulation and Good Lift pressure during job.
McElvain wellsite Rep. provided advance notice of casing & cement job to BLM on 8-10-2017.
BLM representative Patricia Hutchins was on location to witness cement job & picked up associated paperwork.

I hereby certify that the foregoing is true and correct.

29. Name*	30. Title
TONY G COOPER	REGULATORY COMPLIANCE MANAGER
31. Date* (MM/DD/YYYY) 01/18/2018 Today	**32. Signature*** *You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.*

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.

Section 2 - System Receipt Confirmation		
33. Transaction	34. Date Sent	35. Processing Office

Section 3 - Internal Review #1 Status		
36. Review Category	37. Date Completed	38. Reviewer Name
39. Comments		

Section 4 - Internal Review #2 Status		
40. Review Category	41. Date Completed	42. Reviewer Name
43. Comments		

Section 5 - Internal Review #3 Status		
44. Review Category	45. Date Completed	46. Reviewer Name
47. Comments		

Section 6 - Internal Review #4 Status		
48. Review Category	49. Date Completed	50. Reviewer Name
51. Comments		

Section 7 - Final Approval Status			
52. Disposition	53. Date Completed	54. Reviewer Name	55. Reviewer Title
56. Comments			

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard local area, or regional procedures and practices, either are shown below will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 27 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 28 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submitted to BLM on 12-5-17 Not Approved Yet in WIS.

EK 29 BS2 Fed Com 1H
43687

WELL COMPLETION OR RE-COMPLETION REPORT AND LOG

Bold* fields are required.

Section 1 - Completed by Operator	
1. BLM Office* Hobbs, NM	**2. Well Type*** OIL
3. Completion Type* New Well	

Operating Company Information	
4. Company Name* MCELVAIN ENERGY INC.	
5. Address* 1050 17TH STREET SUITE 2500 DENVER CO 80265	**6. Phone Number*** 303-893-0933

Administrative Contact Information	
7. Contact Name* TONY _ COOPER	**8. Title*** REGULATORY MANAGER
9. Address* 1050 17TH STREET SUITE 2500 DENVER CO 80265	**10. Phone Number*** 303-893-0933 __
	11. Mobile Number 303-501-0004
12. E-mail* TONYC@MCELVAIN.COM	13. Fax Number 303-893-0914

Technical Contact Information	
☑ Check here if Technical Contact is the same as Administrative Contact.	
14. Contact Name*	**15. Title***
16. Address*	**17. Phone Number***
	18. Mobile Number
19. E-mail*	20. Fax Number

Surface Location

Pending BLM approvals will subsequently be reviewed and scanned

21. Specify location using one of the following methods:
a) State, County, Section, Township, Range, Meridian, N/S Footage, E/W Footage, with Qtr/Qtr, Lot, or Tract
b) State, County, Latitude, Longitude, Metes & Bounds description

State*	**County or Parish***				
CO	LEA				
Section	Township	Range	Meridian		
29	18S	34E	NEW MEXICO PRINCIPAL		
Qtr/Qtr	Lot #	Tract #		N/S Footage	E/W Footage
_	B	_____		235 FNL	1420 FEL
Latitude	Longitude	Metes and Bounds			
_____	_____				

Producing Interval Location

22. Specify location or
☐ Check here if the producing hole location is the same as the surface location.

State*	**County or Parish***				
NM	LEA				
Section	Township	Range	Meridian		
_	___	___			
Qtr/Qtr	Lot #	Tract #		N/S Footage	E/W Footage
_	_	_____		_	_
Latitude	Longitude	Metes and Bounds			
_____	_____				

Bottom Location

23. Specify location or
☐ Check here if the bottom hole location is the same as the surface location.

State*	**County or Parish***				
CO	LEA				
Section	Township	Range	Meridian		
29	18S	34E	NEW MEXICO PRINCIPAL		
Qtr/Qtr	Lot #	Tract #		N/S Footage	E/W Footage
_	P	_____		187 FSL	566 FEL
Latitude	Longitude	Metes and Bounds			
_____	_____				

Lease and Agreement

24. Lease Serial Number*	
NMNM0245247	_____
26. If Unit or CA/Agreement, Name and/or Number _____	**27. Field and Pool, or Exploratory Area*** EK BONE SPRING

Well

28. Well Name*	**29. Well Number***	**30. API Number**
EK 29 BS2 FEDERAL COM	1H	30-025-43687

31. Date Spudded	32. Date T.D. Reached	33. Date Completed	34. Elevations *(DF, RKB, RT, GL)*
06/17/2017	08/08/2017	11/02/2017 ☐ Dry & Abandoned ☑ Ready to Produce	4050 Ground Level

35. Total Depth:	36. Plug Back Total Depth:	37. Depth Bridge Plug Set:
MD 14918 TVD 10151	MD 14818 TVD 10151	MD ___ TVD ___

38. Type Electric & Other Mechanical Logs Run *(Submit copy of each)*	39.
CBL, DIRECTIONAL SURVEY	Was Well Cored? ◉No ○Yes *(Submit Analysis)* Was DST run? ◉No ○Yes *(Submit Report)* Directional Survey? ○No ◉Yes *(Submit Copy)*

40. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Casing Size	Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks.	Slurry Vol. (BBL)	Cement Top	Amount Pulled
17.5	13.375	J55	54.5	0	1902	___	1780	___	0	___
12.25	9.625	L80	40	0	4977	___	1600	___	0	___
8.5	5.5	HCP 110	20	0	14908	___	2205	___	0	___
___	___	___	___	___	___	___	___	___	___	___
___	___	___	___	___	___	___	___	___	___	___
___	___	___	___	___	___	___	___	___	___	___

41. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)
2.875	9914	9909
___	___	___
___	___	___

42. Producing Intervals

Formation	Top (MD)	Bottom (MD)
A)BONE SPRING	10168	14758
B)_____	___	___
C)_____	___	___
D)_____	___	___

43. Perforation Record

Top	Bottom	Size	No. Holes	Perf. Status
10168	14758	0.32	623	OPEN
___	___	___	___	_____
___	___	___	___	_____
___	___	___	___	_____

44. Acid, Fracture, Treatment, Cement Squeeze, etc.

Top	Bottom	Amount and Type of Material
10168	14758	3000 GALS HCL, 3,301,748 LBS 100 MESH, 3,293,505 LBS 40/70, 219,607 BBLS SLICKWATER
___	___	_____

___	___	_____
___	___	_____

45. Production Method and Well Status for Production Intervals

Production Method	Well Status
Gas Lift	Producing Oil Well

46. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
11/03/2017	11/04/2017	24	>>>>>	152	13	1186	38	.856
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
22/64	642 ___	0	>>>>>	152	13	1186	86	

47. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	___	>>>>>	___	___	___	___	___
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	___ ___	___	>>>>>	___	___	___	___	

48. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	___	>>>>>	___	___	___	___	___
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	___ ___	___	>>>>>	___	___	___	___	

49. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	___	>>>>>	___	___	___	___	___
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	___ ___	___	>>>>>	___	___	___	___	

50. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
Sold

51. Summary of Porous Zones *(Include Aquifers)*:
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

52. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	

					Top (MD)
SAN ANDREAS	5450	5675		SAN ANDREAS	5450
DELAWARE	5675	5715		DELAWARE	5675
1ST DELAWARE SAND	5715	5875		1ST DELAWARE SAND	5715
2ND DELAWARE SAND	5875	6625		2ND DELAWARE SAND	5875
BRUSHY CANYON	6625	7850		BRUSHY CANYON	6625
BONE SPRING	7850	9075		BONE SPRING	7850
1ST BONE SPRING SAND	9075	9675		1ST BONE SPRING SAND	9075
2ND BONE SPRING SAND	9675	9935		2ND BONE SPRING SAND	9675

53. Additional remarks (include plugging procedure):

54. Indicate which items have been attached by placing a check in the appropriate boxes:

☑ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

55. Name	**56. Title**
TONY _ COOPER	REGULATORY MANAGER
57. Date* (MM/DD/YYYY) 12/04/2017 Today	**58. Signature*** *You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.*

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.

Section 2 - System Receipt Confirmation		
59. Transaction 396746	60. Date Sent 12/04/2017	61. Processing Office Hobbs, NM

Section 3 - Internal Review #1 Status		
62. Review Category _____	63. Date Completed _____	64. Reviewer Name _____
65. Comments		

Section 4 - Internal Review #2 Status		
66. Review Category _____	67. Date Completed _____	68. Reviewer Name _____
69. Comments		

Section 5 - Internal Review #3 Status		
70. Review Category _____	71. Date Completed _____	72. Reviewer Name _____

73. Comments

Section 6 - Internal Review #4 Status		
74. Review Category	75. Date Completed	76. Reviewer Name
77. Comments		

Section 7 - Final Approval Status			
78. Disposition	79. Date Completed	80. Reviewer Name	81. Reviewer Title
82. Comments			

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wellson Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

ITEMS 24, 22, and 23: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

ITEM 34: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

ITEM 40: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

Provide signature page for directional survey

o Directional
Survey Report

30-025-43687

PRODIRECTIONAL

Company:	McElvain Energy	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	KB = 25' @ 4075.00usft (H&P 262)
Site:	EK 29 BS2 Federal Com	MD Reference:	KB = 25' @ 4075.00usft (H&P 262)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH Surveys 125'-14877' PTB 14918'	Database:	WellPlanner1

Project Lea County, NM (NAD 83)

Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site EK 29 BS2 Federal Com

Site Position:		Northing:	628,432.50 usft	Latitude:	32.725328°N
From:	Map	Easting:	773,460.90 usft	Longitude:	103.578526°W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well #1H

Well Position	+N/-S	0.00 usft	Northing:	628,432.50 usft	Latitude:	32.725328°N
	+E/-W	0.00 usft	Easting:	773,460.90 usft	Longitude:	103.578526°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,050.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/21/2017	6.72	60.78	48,359.90

Design OH Surveys 125'-14877' PTB 14918'

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.00

Survey Program Date 8/8/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
125.00	1,811.00	Gyro (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous
1,924.00	14,918.00	ProMWD Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.00	0.12	339.24	125.00	0.12	-0.05	-0.12	0.10	0.10	0.00
225.00	0.04	145.81	225.00	0.19	-0.06	-0.19	0.16	-0.08	166.57
325.00	0.16	52.09	325.00	0.25	0.07	-0.25	0.17	0.12	-93.72
425.00	0.45	70.49	425.00	0.47	0.55	-0.47	0.30	0.29	18.40
525.00	0.46	110.12	525.00	0.46	1.29	-0.46	0.31	0.01	39.63
625.00	0.49	168.54	624.99	-0.10	1.76	0.10	0.46	0.03	58.42
725.00	0.44	144.27	724.99	-0.83	2.06	0.83	0.20	-0.05	-24.27
825.00	0.56	101.81	824.99	-1.24	2.77	1.24	0.38	0.12	-42.46
925.00	0.64	75.91	924.98	-1.21	3.79	1.21	0.28	0.08	-25.90

Company:	McElvain Energy	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Site:	EK 29 BS2 Federal Com	**MD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH Surveys 125'-14877' PTB 14918'	**Database:**	WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,025.00	0.70	77.50	1,024.97	-0.94	4.92	0.94	0.06	0.06	1.59
1,125.00	0.58	80.76	1,124.97	-0.72	6.02	0.72	0.13	-0.12	3.26
1,225.00	0.58	82.04	1,224.96	-0.57	7.02	0.57	0.01	0.00	1.28
1,325.00	0.75	84.11	1,324.96	-0.44	8.17	0.44	0.17	0.17	2.07
1,425.00	0.66	86.30	1,424.95	-0.33	9.40	0.33	0.09	-0.09	2.19
1,525.00	0.73	92.72	1,524.94	-0.32	10.61	0.32	0.10	0.07	6.42
1,625.00	0.73	96.63	1,624.93	-0.43	11.88	0.43	0.05	0.00	3.91
1,725.00	0.40	91.43	1,724.93	-0.51	12.86	0.51	0.33	-0.33	-5.20
1,811.00	0.42	89.30	1,810.93	-0.51	13.48	0.51	0.03	0.02	-2.48
1,924.00	0.70	108.70	1,923.92	-0.73	14.54	0.73	0.30	0.25	17.17
2,009.00	1.20	81.50	2,008.91	-0.76	15.92	0.76	0.78	0.59	-32.00
2,104.00	2.70	45.40	2,103.85	0.95	18.49	-0.95	1.97	1.58	-38.00
2,198.00	4.10	40.80	2,197.69	5.05	22.27	-5.05	1.52	1.49	-4.89
2,293.00	5.30	39.30	2,292.36	11.02	27.26	-11.02	1.27	1.26	-1.58
2,388.00	6.80	38.90	2,386.83	18.79	33.58	-18.79	1.58	1.58	-0.42
2,482.00	7.40	38.00	2,480.11	27.89	40.80	-27.89	0.65	0.64	-0.96
2,577.00	8.40	40.30	2,574.21	38.01	49.05	-38.01	1.10	1.05	2.42
2,672.00	8.50	47.60	2,668.18	48.03	58.73	-48.03	1.13	0.11	7.68
2,766.00	8.20	59.50	2,761.19	56.12	69.63	-56.12	1.86	-0.32	12.66
2,861.00	8.20	64.80	2,855.22	62.44	81.60	-62.44	0.80	0.00	5.58
2,955.00	7.10	73.30	2,948.39	66.97	93.23	-66.97	1.68	-1.17	9.04
3,050.00	7.60	76.10	3,042.61	70.16	104.95	-70.16	0.65	0.53	2.95
3,145.00	8.30	78.00	3,136.69	73.10	117.76	-73.10	0.79	0.74	2.00
3,240.00	6.80	78.20	3,230.87	75.67	129.97	-75.67	1.58	-1.58	0.21
3,334.00	6.70	78.50	3,324.21	77.91	140.79	-77.91	0.11	-0.11	0.32
3,429.00	6.80	81.00	3,418.56	79.89	151.78	-79.89	0.33	0.11	2.63
3,523.00	6.40	77.80	3,511.93	81.87	162.39	-81.87	0.58	-0.43	-3.40
3,618.00	6.40	82.00	3,606.34	83.72	172.81	-83.72	0.49	0.00	4.42
3,712.00	6.80	80.50	3,699.72	85.37	183.49	-85.37	0.46	0.43	-1.60
3,807.00	6.90	79.40	3,794.04	87.35	194.65	-87.35	0.17	0.11	-1.16
3,901.00	7.30	81.80	3,887.32	89.24	206.11	-89.24	0.53	0.43	2.55
3,996.00	7.70	81.90	3,981.51	91.00	218.38	-91.00	0.42	0.42	0.11
4,090.00	7.70	74.70	4,074.66	93.55	230.69	-93.55	1.03	0.00	-7.66
4,185.00	8.30	73.10	4,168.74	97.22	243.39	-97.22	0.67	0.63	-1.68
4,280.00	7.90	79.70	4,262.79	100.38	256.38	-100.38	1.06	-0.42	6.95
4,374.00	8.10	81.70	4,355.88	102.49	269.28	-102.49	0.36	0.21	2.13
4,469.00	8.70	80.00	4,449.86	104.70	282.98	-104.70	0.68	0.63	-1.79
4,563.00	9.00	80.60	4,542.74	107.14	297.24	-107.14	0.33	0.32	0.64
4,658.00	8.00	78.90	4,636.69	109.63	311.06	-109.63	1.09	-1.05	-1.79
4,752.00	7.90	81.20	4,729.79	111.87	323.86	-111.87	0.35	-0.11	2.45
4,847.00	8.70	81.30	4,823.79	113.96	337.41	-113.96	0.84	0.84	0.11
4,924.00	9.30	82.20	4,899.85	115.68	349.33	-115.68	0.80	0.78	1.17
5,020.00	9.80	82.20	4,994.51	117.85	365.11	-117.85	0.52	0.52	0.00

Company:	McElvain Energy	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Site:	EK 29 BS2 Federal Com	**MD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH Surveys 125'-14877' PTB 14918'	**Database:**	WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,115.00	9.70	81.60	5,088.14	120.11	381.04	-120.11	0.15	-0.11	-0.63
5,210.00	7.60	83.30	5,182.06	122.01	395.20	-122.01	2.23	-2.21	1.79
5,304.00	7.50	84.90	5,275.24	123.29	407.48	-123.29	0.25	-0.11	1.70
5,398.00	7.50	84.10	5,368.44	124.46	419.70	-124.46	0.11	0.00	-0.85
5,493.00	7.60	82.30	5,462.61	125.94	432.09	-125.94	0.27	0.11	-1.89
5,587.00	6.20	80.10	5,555.93	127.65	443.25	-127.65	1.52	-1.49	-2.34
5,682.00	5.90	78.80	5,650.40	129.48	453.09	-129.48	0.35	-0.32	-1.37
5,777.00	5.90	79.30	5,744.90	131.33	462.68	-131.33	0.05	0.00	0.53
5,872.00	6.00	81.30	5,839.39	132.99	472.39	-132.99	0.24	0.11	2.11
5,966.00	5.80	80.00	5,932.89	134.56	481.92	-134.56	0.26	-0.21	-1.38
6,060.00	5.70	80.40	6,026.42	136.16	491.20	-136.16	0.11	-0.11	0.43
6,154.00	5.70	81.60	6,119.95	137.62	500.42	-137.62	0.13	0.00	1.28
6,249.00	5.60	80.80	6,214.49	139.05	509.66	-139.05	0.13	-0.11	-0.84
6,344.00	5.50	81.50	6,309.04	140.46	518.74	-140.46	0.13	-0.11	0.74
6,438.00	5.30	81.40	6,402.63	141.78	527.49	-141.78	0.21	-0.21	-0.11
6,533.00	5.00	78.20	6,497.24	143.28	535.88	-143.28	0.44	-0.32	-3.37
6,627.00	4.60	78.80	6,590.91	144.85	543.59	-144.85	0.43	-0.43	0.64
6,722.00	4.50	92.90	6,685.62	145.40	551.05	-145.40	1.18	-0.11	14.84
6,817.00	4.70	97.00	6,780.31	144.74	558.63	-144.74	0.40	0.21	4.32
6,911.00	4.50	92.60	6,874.01	144.10	566.14	-144.10	0.43	-0.21	-4.68
7,005.00	4.80	77.80	6,967.70	144.77	573.67	-144.77	1.31	0.32	-15.74
7,100.00	4.90	74.00	7,062.36	146.73	581.45	-146.73	0.35	0.11	-4.00
7,194.00	4.60	75.40	7,156.04	148.78	588.96	-148.78	0.34	-0.32	1.49
7,289.00	4.60	76.20	7,250.73	150.65	596.34	-150.65	0.07	0.00	0.84
7,383.00	5.30	70.70	7,344.38	152.99	604.10	-152.99	0.90	0.74	-5.85
7,477.00	6.60	78.30	7,437.88	155.52	613.49	-155.52	1.61	1.38	8.09
7,572.00	6.50	82.30	7,532.26	157.34	624.16	-157.34	0.49	-0.11	4.21
7,666.00	6.80	82.80	7,625.63	158.75	634.96	-158.75	0.33	0.32	0.53
7,760.00	7.10	76.40	7,718.94	160.82	646.13	-160.82	0.88	0.32	-6.81
7,855.00	6.40	71.50	7,813.28	163.88	656.85	-163.88	0.95	-0.74	-5.16
7,955.00	5.80	95.70	7,912.73	165.15	667.17	-165.15	2.62	-0.60	24.20
8,049.00	6.90	81.20	8,006.16	165.54	677.48	-165.54	2.06	1.17	-15.43
8,144.00	7.70	73.80	8,100.39	168.19	689.23	-168.19	1.30	0.84	-7.79
8,239.00	6.90	71.50	8,194.62	171.77	700.75	-171.77	0.90	-0.84	-2.42
8,333.00	7.20	77.70	8,287.91	174.82	711.86	-174.82	0.87	0.32	6.60
8,428.00	6.70	77.50	8,382.21	177.29	723.09	-177.29	0.53	-0.53	-0.21
8,522.00	7.30	85.50	8,475.51	178.94	734.40	-178.94	1.22	0.64	8.51
8,616.00	7.20	87.30	8,568.76	179.69	746.23	-179.69	0.26	-0.11	1.91
8,711.00	6.80	85.90	8,663.05	180.37	757.79	-180.37	0.46	-0.42	-1.47
8,803.00	7.60	70.60	8,754.33	182.78	768.96	-182.78	2.25	0.87	-16.63
8,898.00	7.50	63.70	8,848.51	187.62	780.45	-187.62	0.96	-0.11	-7.26
8,992.00	7.30	63.20	8,941.73	193.03	791.28	-193.03	0.22	-0.21	-0.53
9,087.00	5.60	59.10	9,036.12	198.13	800.64	-198.13	1.85	-1.79	-4.32

Company:	McElvain Energy	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Site:	EK 29 BS2 Federal Com	**MD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH Surveys 125'-14877' PTB 14918'	**Database:**	WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,181.00	4.90	65.60	9,129.73	202.14	808.23	-202.14	0.98	-0.74	6.91
9,276.00	5.30	85.50	9,224.36	204.16	816.30	-204.16	1.90	0.42	20.95
9,371.00	4.60	88.50	9,319.01	204.61	824.49	-204.61	0.79	-0.74	3.16
9,465.00	3.30	89.10	9,412.78	204.75	830.96	-204.75	1.38	-1.38	0.64
9,526.00	3.20	90.40	9,473.68	204.76	834.42	-204.76	0.20	-0.16	2.13
9,557.00	3.70	163.70	9,504.64	203.80	835.56	-203.80	13.34	1.61	236.45
9,589.00	6.50	156.80	9,536.51	201.14	836.57	-201.14	8.94	8.75	-21.56
9,620.00	10.40	170.10	9,567.17	196.77	837.74	-196.77	13.99	12.58	42.90
9,652.00	14.70	178.50	9,598.40	189.86	838.34	-189.86	14.56	13.44	26.25
9,683.00	18.20	181.90	9,628.13	181.09	838.29	-181.09	11.71	11.29	10.97
9,714.00	21.70	183.40	9,657.26	170.53	837.78	-170.53	11.41	11.29	4.84
9,746.00	24.10	183.70	9,686.74	158.10	837.01	-158.10	7.51	7.50	0.94
9,778.00	26.30	183.80	9,715.69	144.50	836.12	-144.50	6.88	6.88	0.31
9,809.00	29.20	183.10	9,743.12	130.10	835.26	-130.10	9.41	9.35	-2.26
9,841.00	32.40	181.10	9,770.61	113.73	834.67	-113.73	10.50	10.00	-6.25
9,872.00	35.00	179.00	9,796.40	96.53	834.67	-96.53	9.19	8.39	-6.77
9,903.00	37.90	177.90	9,821.33	78.12	835.17	-78.12	9.59	9.35	-3.55
9,935.00	40.40	177.30	9,846.14	57.94	836.02	-57.94	7.90	7.81	-1.88
9,966.00	43.30	176.80	9,869.23	37.29	837.09	-37.29	9.42	9.35	-1.61
9,998.00	46.30	176.90	9,891.94	14.77	838.32	-14.77	9.38	9.38	0.31
10,029.00	49.20	178.10	9,912.78	-8.15	839.32	8.15	9.78	9.35	3.87
10,061.00	51.70	179.50	9,933.15	-32.81	839.83	32.81	8.51	7.81	4.38
10,092.00	54.10	179.80	9,951.85	-57.54	839.98	57.54	7.78	7.74	0.97
10,124.00	56.60	179.50	9,970.04	-83.86	840.14	83.86	7.85	7.81	-0.94
10,155.00	59.90	178.90	9,986.35	-110.21	840.51	110.21	10.77	10.65	-1.94
10,187.00	63.70	178.40	10,001.47	-138.40	841.18	138.40	11.95	11.88	-1.56
10,218.00	66.70	178.40	10,014.47	-166.53	841.96	166.53	9.68	9.68	0.00
10,250.00	68.50	178.30	10,026.67	-196.10	842.82	196.10	5.63	5.63	-0.31
10,281.00	71.40	178.90	10,037.30	-225.21	843.53	225.21	9.53	9.35	1.94
10,313.00	74.30	179.40	10,046.73	-255.78	843.98	255.78	9.18	9.06	1.56
10,344.00	77.10	180.00	10,054.39	-285.82	844.14	285.82	9.22	9.03	1.94
10,376.00	80.40	180.70	10,060.63	-317.20	843.94	317.20	10.53	10.31	2.19
10,417.00	84.60	180.00	10,065.98	-357.84	843.70	357.84	10.38	10.24	-1.71
10,448.00	85.70	179.90	10,068.60	-388.72	843.72	388.72	3.56	3.55	-0.32
10,480.00	85.80	179.80	10,070.97	-420.64	843.81	420.64	0.44	0.31	-0.31
10,574.00	87.60	178.80	10,076.38	-514.47	844.95	514.47	2.19	1.91	-1.06
10,669.00	87.40	178.70	10,080.53	-609.35	847.02	609.35	0.24	-0.21	-0.11
10,700.00	88.90	178.30	10,081.53	-640.33	847.83	640.33	5.01	4.84	-1.29
10,763.00	90.40	178.10	10,081.91	-703.29	849.81	703.29	2.40	2.38	-0.32
10,858.00	91.00	177.70	10,080.75	-798.22	853.29	798.22	0.76	0.63	-0.42
10,952.00	90.10	177.70	10,079.85	-892.14	857.07	892.14	0.96	-0.96	0.00
11,047.00	90.60	177.60	10,079.27	-987.06	860.96	987.06	0.54	0.53	-0.11
11,141.00	88.20	177.00	10,080.25	-1,080.94	865.39	1,080.94	2.63	-2.55	-0.64
11,236.00	89.90	176.90	10,081.83	-1,175.79	870.44	1,175.79	1.79	1.79	-0.11

Company:	McElvain Energy	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Site:	EK 29 BS2 Federal Com	**MD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH Surveys 125'-14877' PTB 14918'	**Database:**	WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,331.00	90.50	176.10	10,081.50	-1,270.61	876.24	1,270.61	1.05	0.63	-0.84
11,425.00	90.20	175.10	10,080.92	-1,364.33	883.45	1,364.33	1.11	-0.32	-1.06
11,519.00	90.10	176.60	10,080.68	-1,458.08	890.26	1,458.08	1.60	-0.11	1.60
11,614.00	89.70	176.70	10,080.84	-1,552.92	895.81	1,552.92	0.43	-0.42	0.11
11,708.00	90.60	178.10	10,080.60	-1,646.82	900.07	1,646.82	1.77	0.96	1.49
11,771.00	89.70	178.60	10,080.43	-1,709.79	901.89	1,709.79	1.63	-1.43	0.79
11,835.00	89.40	179.90	10,080.93	-1,773.78	902.72	1,773.78	2.08	-0.47	2.03
11,898.00	87.80	180.80	10,082.47	-1,836.76	902.34	1,836.76	2.91	-2.54	1.43
11,992.00	87.60	180.90	10,086.25	-1,930.67	900.95	1,930.67	0.24	-0.21	0.11
12,087.00	88.80	181.00	10,089.23	-2,025.61	899.37	2,025.61	1.27	1.26	0.11
12,182.00	88.30	180.30	10,091.63	-2,120.58	898.29	2,120.58	0.91	-0.53	-0.74
12,276.00	90.40	180.00	10,092.70	-2,214.56	898.05	2,214.56	2.26	2.23	-0.32
12,371.00	90.20	181.20	10,092.20	-2,309.56	897.05	2,309.56	1.28	-0.21	1.26
12,465.00	87.90	181.10	10,093.76	-2,403.52	895.17	2,403.52	2.45	-2.45	-0.11
12,559.00	88.00	180.30	10,097.12	-2,497.45	894.02	2,497.45	0.86	0.11	-0.85
12,654.00	89.20	179.80	10,099.44	-2,592.42	893.94	2,592.42	1.37	1.26	-0.53
12,748.00	90.80	179.40	10,099.44	-2,686.41	894.59	2,686.41	1.75	1.70	-0.43
12,843.00	91.50	180.60	10,097.54	-2,781.39	894.59	2,781.39	1.46	0.74	1.26
12,937.00	87.90	180.60	10,098.03	-2,875.37	893.61	2,875.37	3.83	-3.83	0.00
13,031.00	87.00	181.20	10,102.21	-2,969.26	892.13	2,969.26	1.15	-0.96	0.64
13,125.00	87.90	181.70	10,106.39	-3,063.14	889.76	3,063.14	1.10	0.96	0.53
13,220.00	88.10	181.10	10,109.71	-3,158.05	887.44	3,158.05	0.67	0.21	-0.63
13,314.00	88.30	181.30	10,112.66	-3,251.99	885.47	3,251.99	0.30	0.21	0.21
13,409.00	89.90	181.10	10,114.15	-3,346.95	883.48	3,346.95	1.70	1.68	-0.21
13,504.00	89.30	180.30	10,114.82	-3,441.94	882.32	3,441.94	1.05	-0.63	-0.84
13,598.00	86.80	179.90	10,118.02	-3,535.88	882.16	3,535.88	2.69	-2.66	-0.43
13,693.00	87.90	180.30	10,122.41	-3,630.77	881.99	3,630.77	1.23	1.16	0.42
13,787.00	89.10	180.60	10,124.87	-3,724.74	881.25	3,724.74	1.32	1.28	0.32
13,882.00	87.20	180.80	10,127.94	-3,819.68	880.09	3,819.68	2.01	-2.00	0.21
13,976.00	88.80	181.00	10,131.22	-3,913.60	878.62	3,913.60	1.72	1.70	0.21
14,071.00	90.00	180.80	10,132.21	-4,008.58	877.12	4,008.58	1.28	1.26	-0.21
14,165.00	88.00	179.40	10,133.85	-4,102.56	876.96	4,102.56	2.60	-2.13	-1.49
14,259.00	88.70	179.00	10,136.56	-4,196.51	878.27	4,196.51	0.86	0.74	-0.43
14,354.00	89.80	178.70	10,137.80	-4,291.49	880.18	4,291.49	1.20	1.16	-0.32
14,448.00	88.90	178.10	10,138.87	-4,385.44	882.80	4,385.44	1.15	-0.96	-0.64
14,543.00	86.70	177.60	10,142.51	-4,480.30	886.36	4,480.30	2.37	-2.32	-0.53
14,638.00	87.30	177.40	10,147.49	-4,575.08	890.50	4,575.08	0.67	0.63	-0.21
14,732.00	88.80	176.70	10,150.68	-4,668.90	895.34	4,668.90	1.76	1.60	-0.74
14,827.00	89.70	176.10	10,151.93	-4,763.70	901.30	4,763.70	1.14	0.95	-0.63
14,877.00	90.90	175.70	10,151.67	-4,813.57	904.88	4,813.57	2.53	2.40	-0.80
Last Survey: 14877.00' MD, 10151.67' TVD									
14,918.00	90.90	175.70	10,151.02	-4,854.45	907.95	4,854.45	0.00	0.00	0.00
PTB: 14918.00' MD, 10151.02' TVD									

Company:	McElvain Energy	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Site:	EK 29 BS2 Federal Com	**MD Reference:**	KB = 25' @ 4075.00usft (H&P 262)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH Surveys 125'-14877' PTB 14918'	**Database:**	WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
14,877.00	10,151.67	-4,813.57	904.88	Last Survey: 14877.00' MD, 10151.67' TVD
14,918.00	10,151.02	-4,854.45	907.95	PTB: 14918.00' MD, 10151.02' TVD

Checked By: _____ Approved By: _____ Date: _____

McElvain Energy

Lea County, NM (NAD 83)
EK 29 BS2 Federal Com
#1H

OH

Design: OH Surveys 125'-14877' PTB 14918'

Standard Survey Report

08 August, 2017

PRODIRECTIONAL

Radial Cement Bond Gamma Ray CCL Log

Company McElvain Energy
Well EK 29 BS2 Fed Com 1H
Field EK
County Lea State New Mexico

Location: API # : 30-025-43687
200' FSL & 526' FEL
Section 29-18S-34E
SEC TWP RGE

Other Services

Permanent Datum	Ground Level	Elevation	4049'
Log Measured From	KB 27' APD		
Drilling Measured From	KB		

Elevation
K.B. 4074'
D.F. 4073'
G.L. 4049'

Date	09-07-2017		
Run Number	One		
Depth Driller	14918'		
Depth Logger	10250'		
Bottom Logged Interval	10248'		
Top Log Interval	1500'		
Open Hole Size	8 1/2"		
Type Fluid	Water		
Density / Viscosity	-		
Max. Recorded Temp.	-		
Estimated Cement Top	2000'		
Time Well Ready	On Arrival		
Time Logger on Bottom	See Log		
Equipment Number	WL-826		
Location	Hobbs, New Mexico		
Recorded By	C. Nelson		
Witnessed By	Brian O'Dell		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	54.5#, J-55	Surface	1902'
Prot. String				
Production String	5 1/2"	20#	Surface	14918'
Liner				

Comments

**********Thank You For Using Capitan Corporation**********

requested hard continuous copy 1-23-18

Main Pass 5" = 100'