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Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41292	² Pool Code 64450	³ Pool Name Willow Lake Southwest , Bone Spring
⁴ Property Code 39860	⁵ Property Name KAYRO 4 STATE COM ✓	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁶ Well Number 1H
		⁹ Elevation 3001.4

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
2	4	25 S	28 E		207	NORTH	1980	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	4	25 S	28 E		330	SOUTH	1980	EAST	EDDY

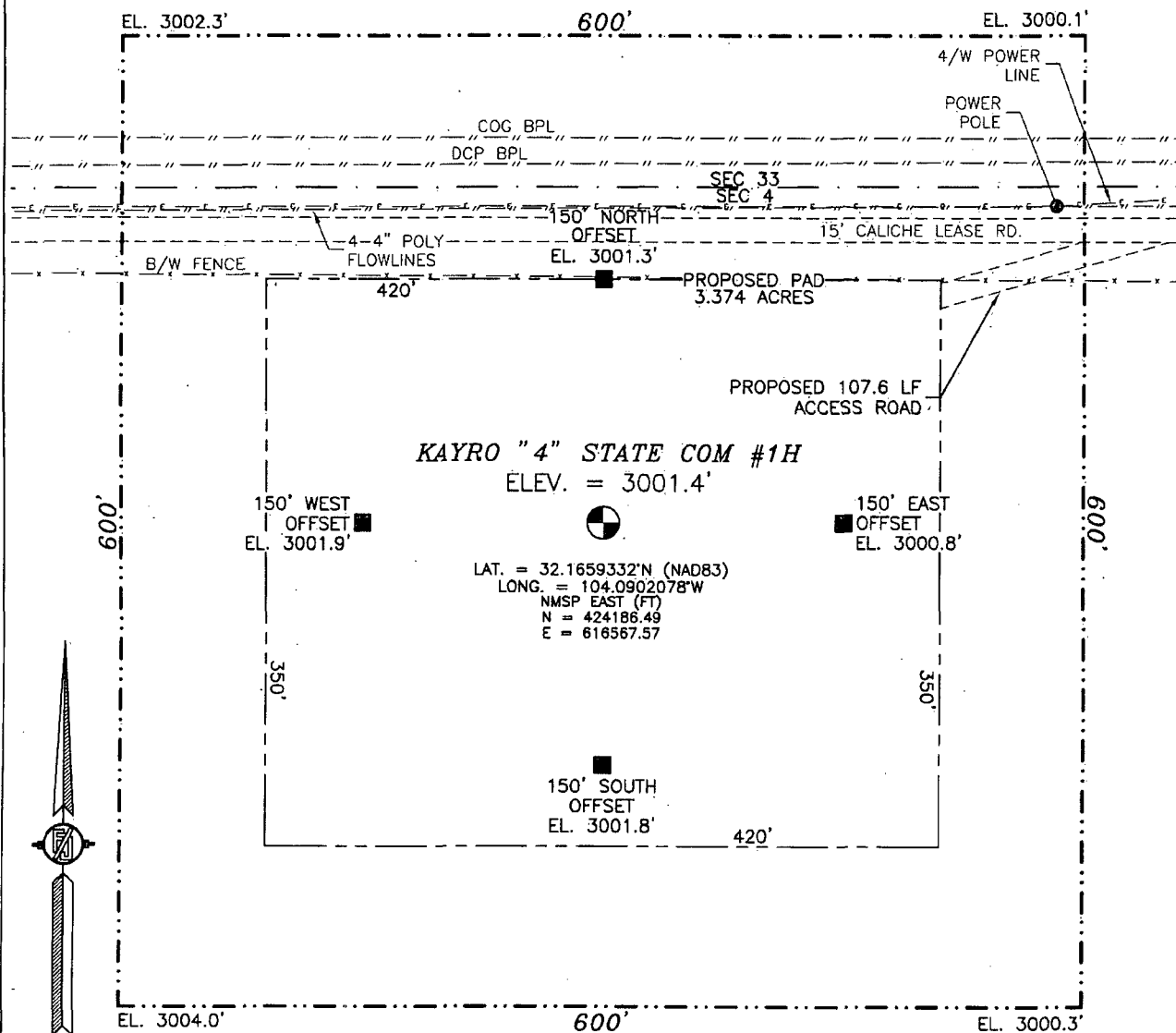
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

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.

S89°55'51"W 2660.06 FT NW CORNER SEC. 4 LAT. = 32.1665107°N LONG. = 104.1010182°W NMSP EAST (FT) N = 424389.20 E = 613222.06 LOT 4 LOT 3 W Q CORNER SEC. 4 LAT. = 32.1591771°N LONG. = 104.1010613°W NMSP EAST (FT) N = 421721.34 E = 613214.47 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) IN DEGREES MINUTES DECIMAL SECONDS FORMAT. BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST (NAD83) COORDINATES MODIFIED TO SURFACE. SW CORNER SEC. 4 LAT. = 32.1519026°N LONG. = 104.1011044°W NMSP EAST (FT) N = 419075.02 E = 613206.86 S89°23'22"E 2677.69 FT		S89°54'45"W 2662.93 FT N Q CORNER SEC. 4 LAT. = 32.1665035°N LONG. = 104.0924215°W NMSP EAST (FT) N = 424392.41 E = 615882.11 207' SURFACE LOCATION KAYRO "4" STATE COM #1H ELEV. = 3001.4 LAT. = 32.11659332°N (NAD83) LONG. = 104.0902078°W NMSP EAST (FT) N = 424186.49 E = 616567.57 NE CORNER SEC. 4 LAT. = 32.1664980°N LONG. = 104.0838156°W NMSP EAST (FT) N = 424396.48 E = 618545.04 LOT 2 LOT 1 E Q CORNER SEC. 4 LAT. = 32.1588938°N LONG. = 104.0837419°W NMSP EAST (FT) N = 421630.28 E = 618574.24 SE CORNER SEC. 4 LAT. = 32.1517154°N LONG. = 104.0837936°W NMSP EAST (FT) N = 419018.91 E = 618564.31 2611.38 FT		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 or unleased 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>Patti Riechers</i> 4/23/2013 Signature Date Patti Riechers, Regulatory Specialist Printed Name Patti.Riechers@dmv.com E-mail Address
2646.33 FT 500°09'47"W 2667.87 FT 500°09'53"W 2646.33 FT S89°24'37"E 2680.05 FT		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 is true and correct to the best of my belief. MARCH 13, 2013 Date of Survey <i>Antonio Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 ANTONIO F. JARAMILLO, PLS 12797 SURVEY NO. 1617		

SECTION 4, TOWNSHIP 25 SOUTH, RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) IN DEGREES, MINUTES AND DECIMAL SECONDS FORMAT. BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST (NAD83) COORDINATES MODIFIED TO SURFACE.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HIGHWAY 285 AND CR 720 (BLACK RIVER VILLAGE) GO SOUTH ON U.S. HIGHWAY 285 APPROX. 5.2 MILES. GO WEST THROUGH CATTLE GUARD AND AROUND TANKS TO A LEASE ROAD. CONTINUE NORTHWEST APPROX. 1.3 MILES. CONTINUE AROUND HORSESHOE IN LEASE ROAD. CONTINUE WEST APPROX. 0.3 OF A MILE. LOCATION IS APPROX. 170 FT. SOUTH.

DEVON ENERGY PRODUCTION COMPANY, L.P.

KAYRO "4" STATE COM #1H

LOCATED 207 FT. FROM THE NORTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 4, TOWNSHIP 25 SOUTH,
RANGE 28 EAST, N.M.P.M.

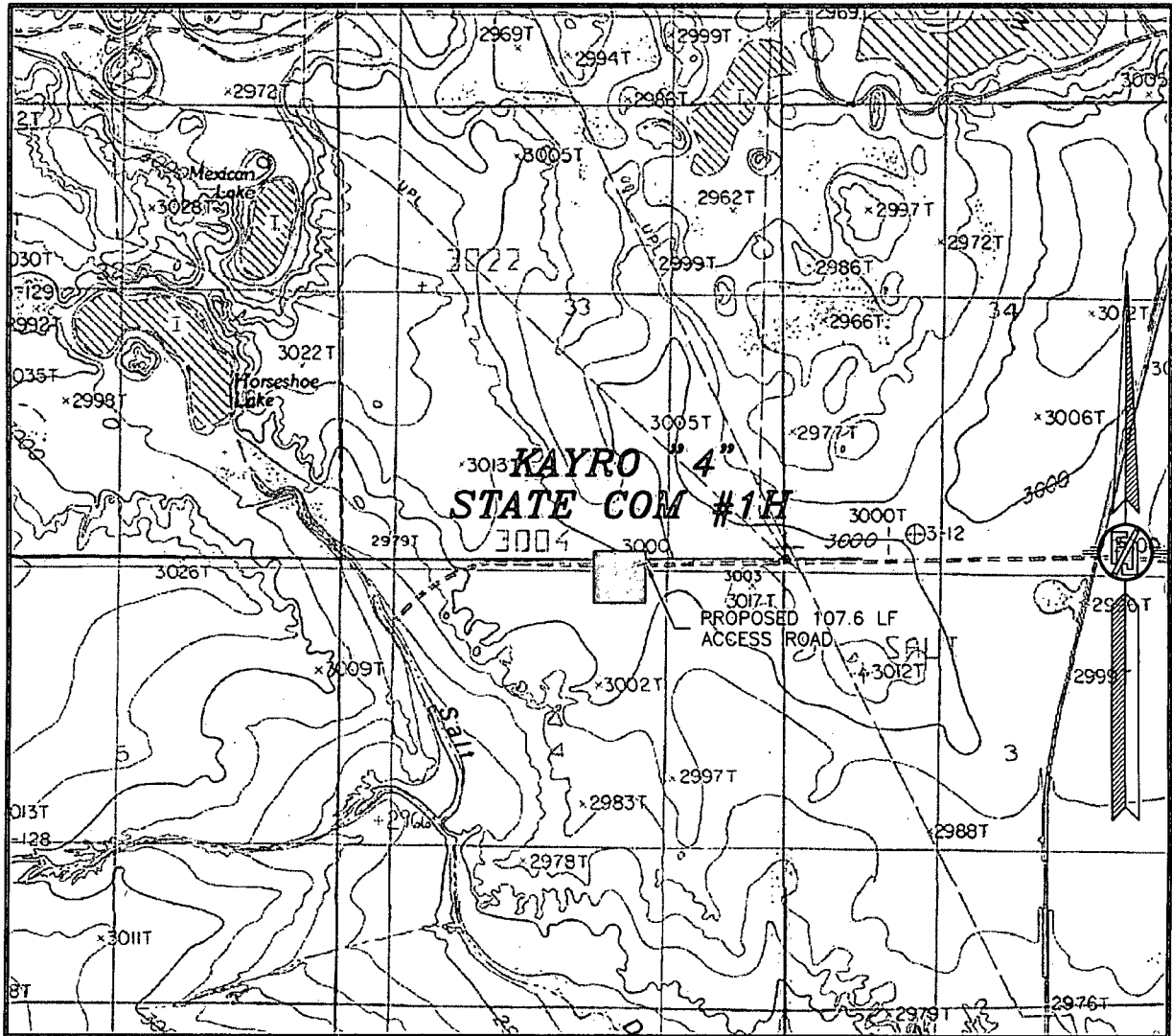
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 13, 2013

SURVEY NO. 1617

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

SECTION 4, TOWNSHIP 25 SOUTH, RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
MALAGA

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

KAYRO "4" STATE COM #1H

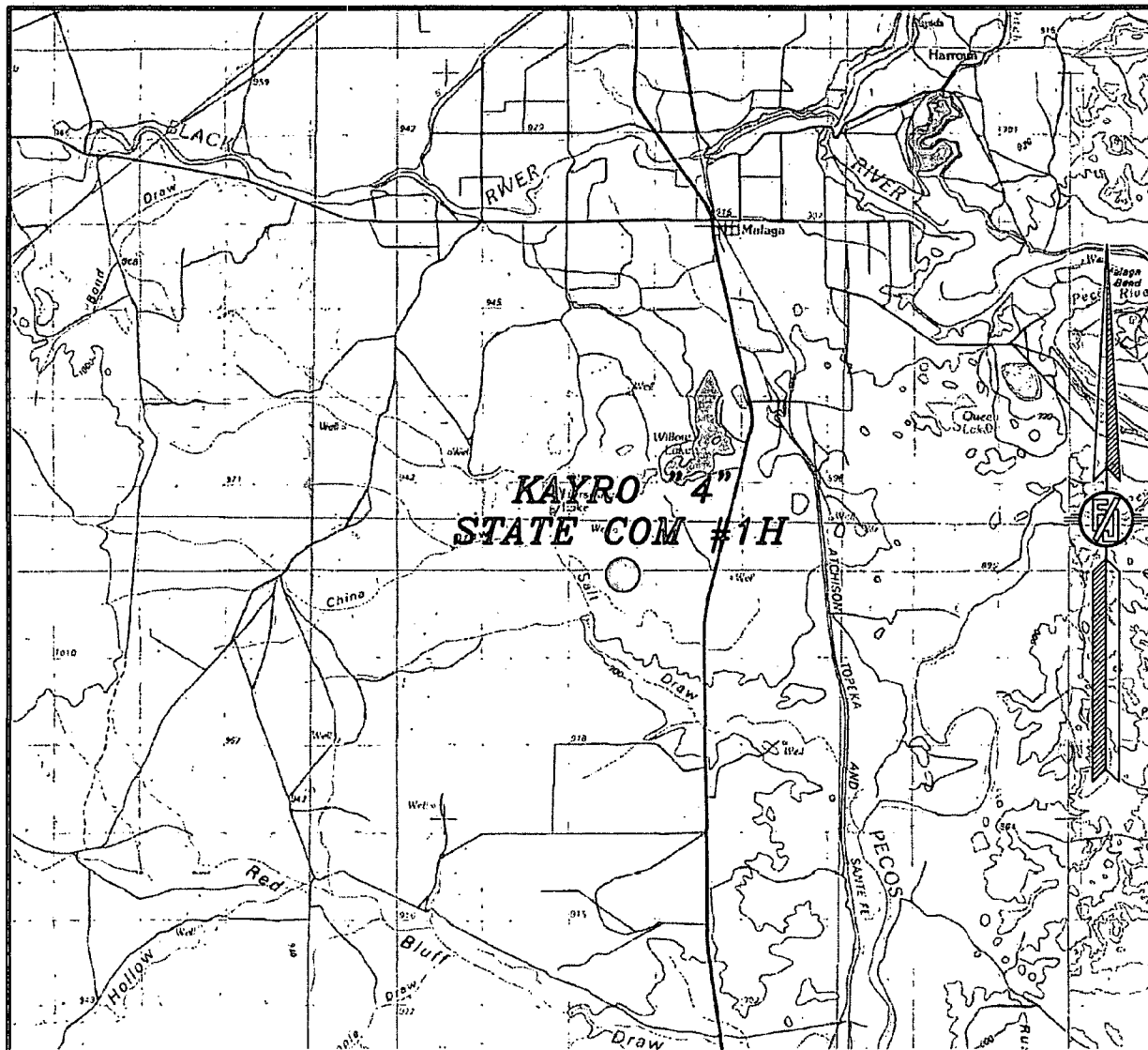
LOCATED 207 FT. FROM THE NORTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 4, TOWNSHIP 25 SOUTH,
RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 13, 2013

SURVEY NO. 1617

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

SECTION 4, TOWNSHIP 25 SOUTH, RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

KAYRO "4" STATE COM #1H

LOCATED 207 FT. FROM THE NORTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 4, TOWNSHIP 25 SOUTH,
RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

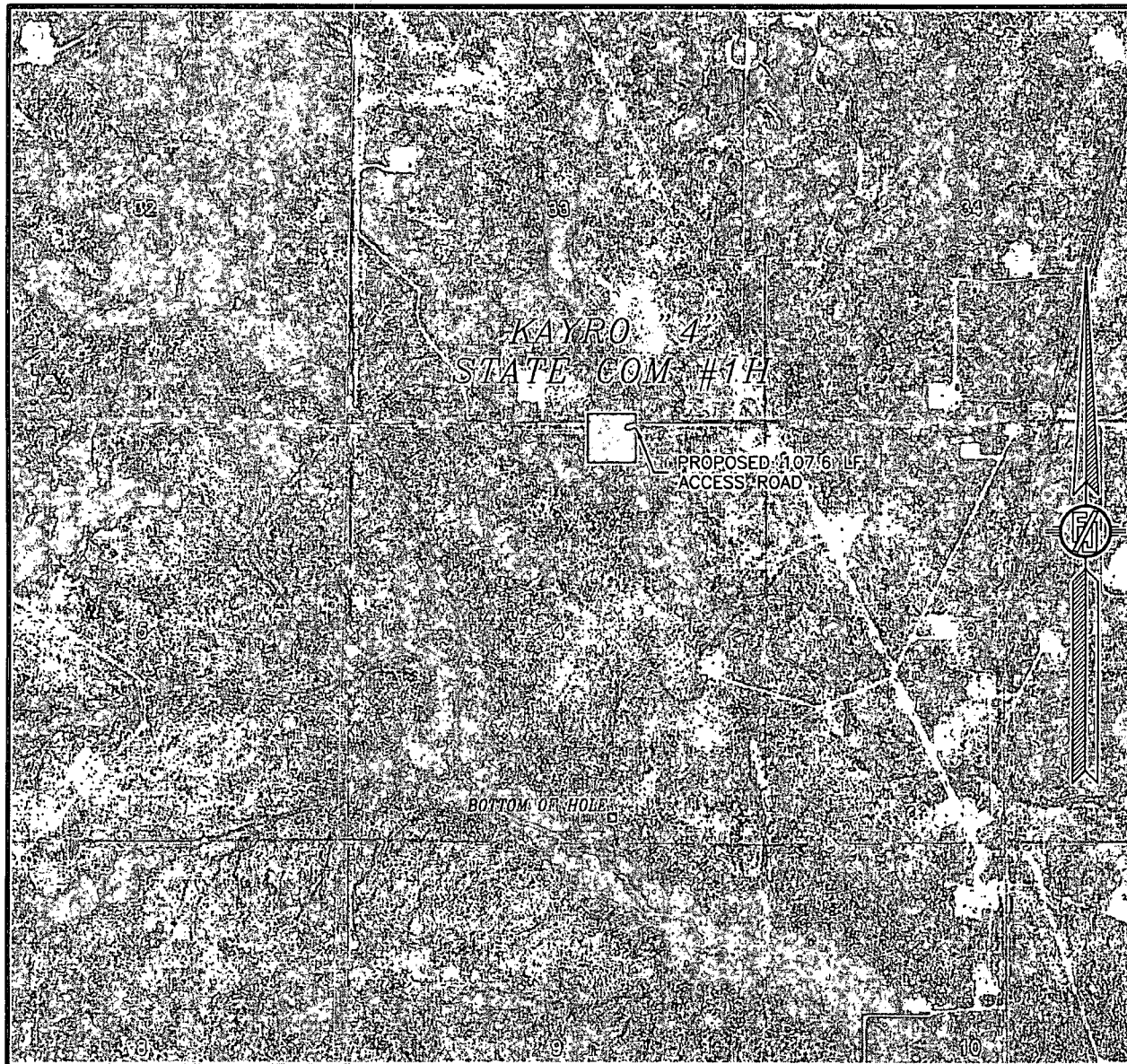
MARCH 13, 2013

SURVEY NO. 1617

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

SECTION 4, TOWNSHIP 25 SOUTH, RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JUNE 2011

DEVON ENERGY PRODUCTION COMPANY, L.P.

KAYRO "4" STATE COM #1H

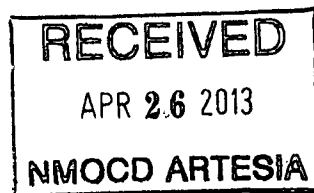
LOCATED 207 FT. FROM THE NORTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 4, TOWNSHIP 25 SOUTH,
RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 13, 2013

SURVEY NO. 1617

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

CARLSBAD, NEW MEXICO



Weatherford[®]

Drilling Services

Proposal



KAYRO 4 STATE COM #1H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

APRIL 19, 2013

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

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+1.432.561.8895 Fax

www.weatherford.com



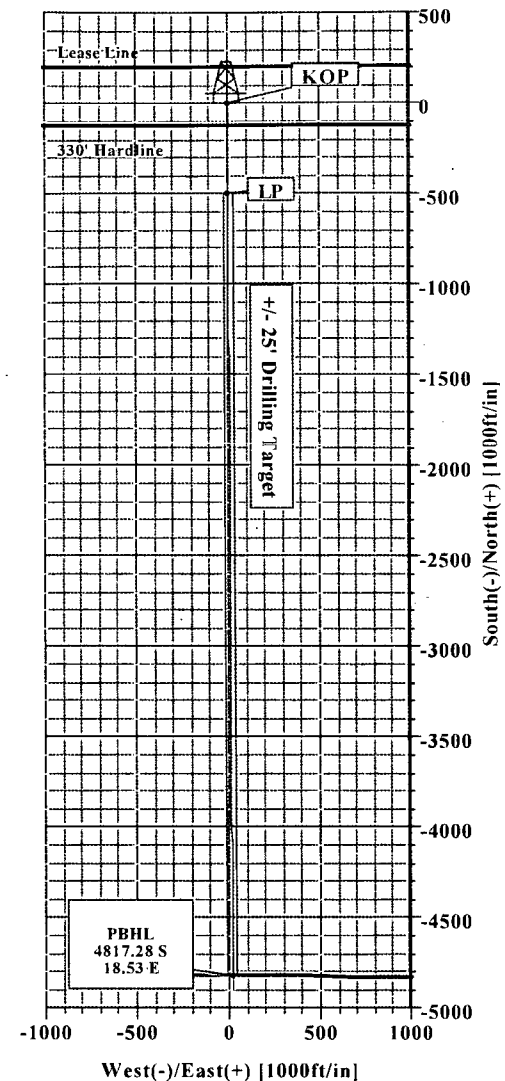
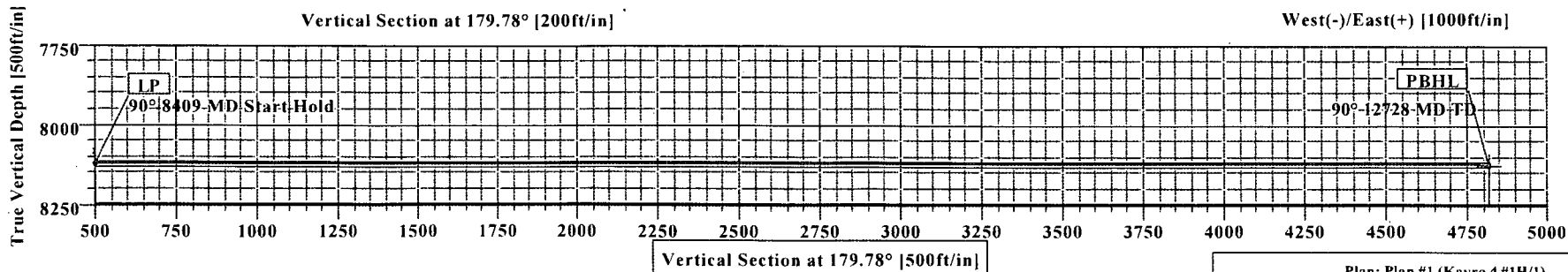
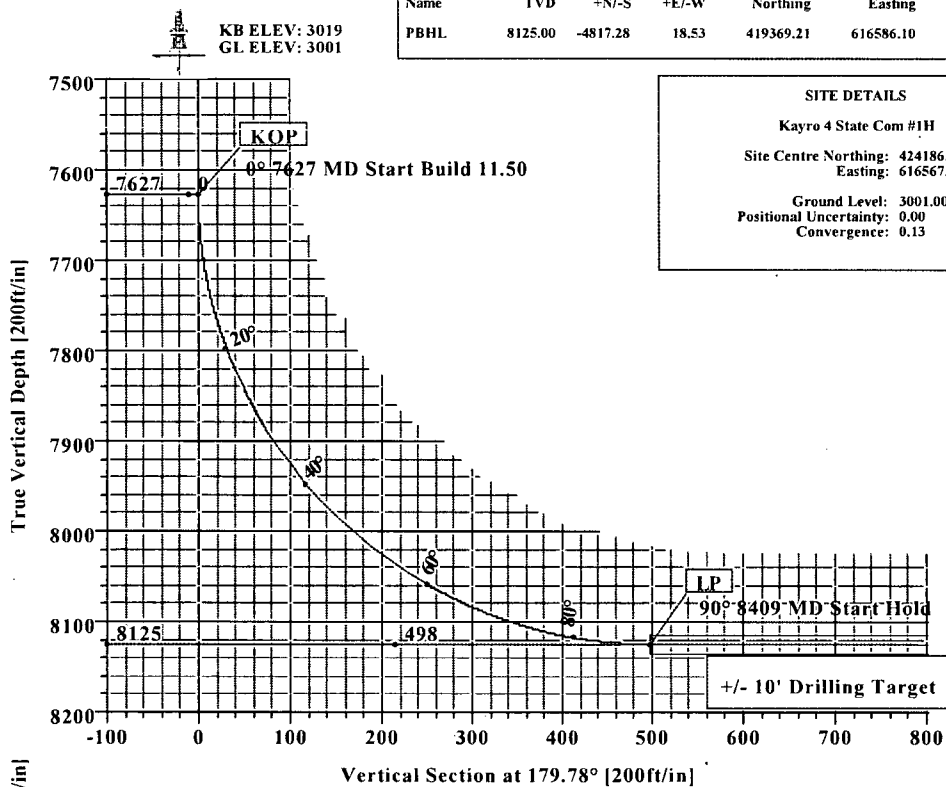
Kayro 4 State Com #1H
Eddy Co., New Mexico

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	179.78	0.00	0.00	0.00	0.00	0.00	0.00	
2	7626.78	0.00	179.78	7626.78	0.00	0.00	0.00	0.00	0.00	
3	8409.38	90.00	179.78	8125.00	-498.22	1.92	11.50	179.78	498.22	
4	12728.48	90.00	179.78	8125.00	-4817.28	18.53	0.00	0.00	4817.32	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Kayro 4 #1H	0.00	0.00	424186.49	616567.57	32°09'S7.351N	104°05'24.762W	N/A

TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8125.00	-4817.28	18.53	419369.21	616586.10	32°09'09.679N	104°05'24.673W	Rectangle (4319x50)

SITE DETAILS
 Kayro 4 State Com #1H
 Site Centre Northing: 424186.49
 Easting: 616567.57
 Ground Level: 3001.00
 Positional Uncertainty: 0.00
 Convergence: 0.13



Plan: Plan #1 (Kayro 4 #1H/1)

Created By: Russell W. Joyner

Date: 4/19/2013



Weatherford Wft Plan Report X Y's.



Company: Devon Energy		Date: 4/19/2013	Time: 11:50:13	Page: 1
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well: Kayro 4 #1H, Grid North		
Site: Kayro 4 State Com #1H		Vertical (TVD) Reference: SITE 3019.0		
Well: Kayro 4 #1H		Section (VS) Reference: Well (0.00N,0.00E,179.78Azi)		
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase		

Plan: Plan #1	Date Composed: 4/19/2013
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Kayro 4 State Com #1H

Site Position:	Northing: 424186.49 ft	Latitude: 32 9 57.351 N
From: Map	Easting: 616567.57 ft	Longitude: 104 5 24.762 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3001.00 ft		Grid Convergence: 0.13 deg

Well: Kayro 4 #1H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 424186.49 ft
+E/-W 0.00 ft	Easting: 616567.57 ft
Position Uncertainty: 0.00 ft	Latitude: 32 9 57.351 N
	Longitude: 104 5 24.762 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 12/30/2013	Above System Datum: Mean Sea Level
Field Strength: 48296 nT	Declination: 7.51 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 59.98 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00
0.00	179.78

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	179.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7626.78	0.00	179.78	7626.78	0.00	0.00	0.00	0.00	0.00	0.00	
8409.38	90.00	179.78	8125.00	-498.22	1.92	11.50	11.50	0.00	179.78	
12728.48	90.00	179.78	8125.00	-4817.28	18.53	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7600.00	0.00	179.78	7600.00	0.00	0.00	0.00	0.00	424186.49	616567.57	
7626.78	0.00	179.78	7626.78	0.00	0.00	0.00	0.00	424186.49	616567.57	KOP
7700.00	8.42	179.78	7699.74	-5.37	0.02	5.37	11.50	424181.12	616567.59	
7800.00	19.92	179.78	7796.53	-29.81	0.11	29.81	11.50	424156.68	616567.68	
7900.00	31.42	179.78	7886.51	-73.06	0.28	73.06	11.50	424113.43	616567.85	
8000.00	42.92	179.78	7966.06	-133.38	0.51	133.38	11.50	424053.11	616568.08	
8100.00	54.42	179.78	8031.99	-208.34	0.80	208.34	11.50	423978.15	616568.37	
8200.00	65.92	179.78	8081.65	-294.95	1.13	294.95	11.50	423891.54	616568.70	
8300.00	77.42	179.78	8113.04	-389.71	1.50	389.72	11.50	423796.78	616569.07	
8400.00	88.92	179.78	8124.91	-488.84	1.88	488.84	11.50	423697.65	616569.45	
8409.38	90.00	179.78	8125.00	-498.22	1.92	498.22	11.50	423688.27	616569.49	LP
8500.00	90.00	179.78	8125.00	-588.84	2.26	588.84	0.00	423597.65	616569.83	
8600.00	90.00	179.78	8125.00	-688.83	2.65	688.84	0.00	423497.66	616570.22	
8700.00	90.00	179.78	8125.00	-788.83	3.03	788.84	0.00	423397.66	616570.60	
8800.00	90.00	179.78	8125.00	-888.83	3.42	888.84	0.00	423297.66	616570.99	
8900.00	90.00	179.78	8125.00	-988.83	3.80	988.84	0.00	423197.66	616571.37	
9000.00	90.00	179.78	8125.00	-1088.83	4.19	1088.84	0.00	423097.66	616571.76	
9100.00	90.00	179.78	8125.00	-1188.83	4.57	1188.84	0.00	422997.66	616572.14	
9200.00	90.00	179.78	8125.00	-1288.83	4.96	1288.84	0.00	422897.66	616572.53	
9300.00	90.00	179.78	8125.00	-1388.83	5.34	1388.84	0.00	422797.66	616572.91	
9400.00	90.00	179.78	8125.00	-1488.83	5.73	1488.84	0.00	422697.66	616573.30	
9500.00	90.00	179.78	8125.00	-1588.83	6.11	1588.84	0.00	422597.66	616573.68	
9600.00	90.00	179.78	8125.00	-1688.83	6.50	1688.84	0.00	422497.66	616574.07	



Weatherford

Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Kayro 4 State Com #1H
Well: Kayro 4 #1H
Wellpath: 1

Date: 4/19/2013 Time: 11:50:13 Page: 2
Co-ordinate(NE) Reference: Well: Kayro 4 #1H, Grid North
Vertical (TVD) Reference: SITE 3019.0
Section (VS) Reference: Well (0.00N,0.00E,179.78Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9700.00	90.00	179.78	8125.00	-1788.83	6.88	1788.84	0.00	422397.66	616574.45	
9800.00	90.00	179.78	8125.00	-1888.83	7.27	1888.84	0.00	422297.66	616574.84	
9900.00	90.00	179.78	8125.00	-1988.82	7.65	1988.84	0.00	422197.67	616575.22	
10000.00	90.00	179.78	8125.00	-2088.82	8.03	2088.84	0.00	422097.67	616575.60	
10100.00	90.00	179.78	8125.00	-2188.82	8.42	2188.84	0.00	421997.67	616575.99	
10200.00	90.00	179.78	8125.00	-2288.82	8.80	2288.84	0.00	421897.67	616576.37	
10300.00	90.00	179.78	8125.00	-2388.82	9.19	2388.84	0.00	421797.67	616576.76	
10400.00	90.00	179.78	8125.00	-2488.82	9.57	2488.84	0.00	421697.67	616577.14	
10500.00	90.00	179.78	8125.00	-2588.82	9.96	2588.84	0.00	421597.67	616577.53	
10600.00	90.00	179.78	8125.00	-2688.82	10.34	2688.84	0.00	421497.67	616577.91	
10700.00	90.00	179.78	8125.00	-2788.82	10.73	2788.84	0.00	421397.67	616578.30	
10800.00	90.00	179.78	8125.00	-2888.82	11.11	2888.84	0.00	421297.67	616578.68	
10900.00	90.00	179.78	8125.00	-2988.82	11.50	2988.84	0.00	421197.67	616579.07	
11000.00	90.00	179.78	8125.00	-3088.82	11.88	3088.84	0.00	421097.67	616579.45	
11100.00	90.00	179.78	8125.00	-3188.82	12.27	3188.84	0.00	420997.67	616579.84	
11200.00	90.00	179.78	8125.00	-3288.82	12.65	3288.84	0.00	420897.67	616580.22	
11300.00	90.00	179.78	8125.00	-3388.81	13.04	3388.84	0.00	420797.68	616580.61	
11400.00	90.00	179.78	8125.00	-3488.81	13.42	3488.84	0.00	420697.68	616580.99	
11500.00	90.00	179.78	8125.00	-3588.81	13.80	3588.84	0.00	420597.68	616581.37	
11600.00	90.00	179.78	8125.00	-3688.81	14.19	3688.84	0.00	420497.68	616581.76	
11700.00	90.00	179.78	8125.00	-3788.81	14.57	3788.84	0.00	420397.68	616582.14	
11800.00	90.00	179.78	8125.00	-3888.81	14.96	3888.84	0.00	420297.68	616582.53	
11900.00	90.00	179.78	8125.00	-3988.81	15.34	3988.84	0.00	420197.68	616582.91	
12000.00	90.00	179.78	8125.00	-4088.81	15.73	4088.84	0.00	420097.68	616583.30	
12100.00	90.00	179.78	8125.00	-4188.81	16.11	4188.84	0.00	419997.68	616583.68	
12200.00	90.00	179.78	8125.00	-4288.81	16.50	4288.84	0.00	419897.68	616584.07	
12300.00	90.00	179.78	8125.00	-4388.81	16.88	4388.84	0.00	419797.68	616584.45	
12400.00	90.00	179.78	8125.00	-4488.81	17.27	4488.84	0.00	419697.68	616584.84	
12500.00	90.00	179.78	8125.00	-4588.81	17.65	4588.84	0.00	419597.68	616585.22	
12600.00	90.00	179.78	8125.00	-4688.81	18.04	4688.84	0.00	419497.68	616585.61	
12700.00	90.00	179.78	8125.00	-4788.80	18.42	4788.84	0.00	419397.69	616585.99	
12728.48	90.00	179.78	8125.00	-4817.28	18.53	4817.32	0.00	419369.21	616586.10	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
							Deg	Min	Sec	Deg	Min	Sec
PBHL		8125.00	-4817.28	18.53	419369.21	616586.10	32	9	9.679 N	104	5	24.673 W
-Rectangle (4319x50)												

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford

Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Kayro 4 State Com #1H
Well: Kayro 4 #1H
Wellpath: 1

Date: 4/19/2013 Time: 11:50:13 Page: 3
Co-ordinate(NE) Reference: Well: Kayro 4 #1H, Grid North
Vertical (TVD) Reference: SITE 3019.0
Section (VS) Reference: Well (0.00N,0.00E,179.78Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
7626.78	7626.78	KOP
8409.38	8125.00	LP
12728.47	8125.00	PBHL

**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: April 19, 2013
Job Number: _____
Customer: Devon Energy
Well Name: Kayro 4 State Com #1H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM (NAD 83)
Block: _____
Engineer: RWJ

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 424186.490 USFT	Latitude 32.1659332 DEG
East/West 616567.570 USFT	Longitude -104.0902078 DEG
Grid Convergence: .13°	
Total Correction: +7.49°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.16593° N	32° 9 min 57.360 sec
Longitude =	104.09021° W	104° 5 min 24.748 sec

Magnetic Declination =	7.62°	[True North Offset]	
Local Gravity =	.9988 g	Checksum =	6819
Local Field Strength =	48246 nT	Magnetic Vector X =	23962 nT
Magnetic Dip =	59.93°	Magnetic Vector Y =	3206 nT
Magnetic Model =	bggm2012	Magnetic Vector Z =	41751 nT
Spud Date =	Dec 30, 2013	Magnetic Vector H =	24176 nT

Signed: _____

Date: _____

Permit Conditions of Approval

API: 30-015-41292

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string