

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	BCE-Mach III LLC
Well Name	MEYER 13-34-11 1H
Doc ID	1655932

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	9.625	40	307	Class A	170	0
Intermediate	8.75	7	26	5117	Class A	215	65/35
Production	6.125	4.5	11.6	9640	OH Packers	0	0

FINAL AS-DRILLED

MEYER 13-34-11 1H
 BCE-MACH III
 SECTION 13, TOWNSHIP 34S, RANGE 11W, 6TH P.M.
 BARBER COUNTY, KANSAS

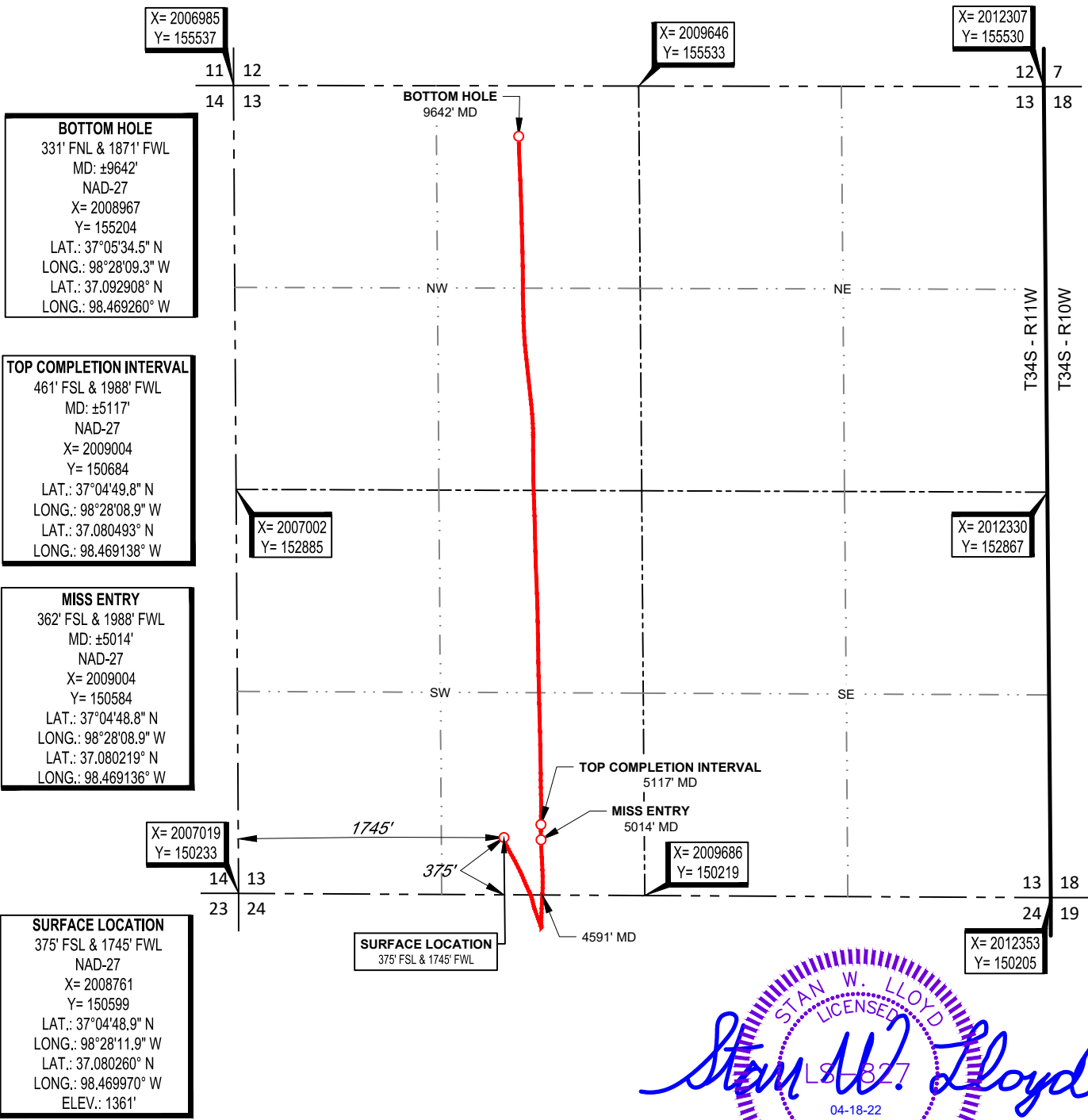
LEGEND

- SECTION LINE
- RANGE LINE
- QUARTER SECTION LINE
- 16TH LINE
- WELL BORE

SCALE: 1" = 1000'
 0' 500' 1000'



GRID
 NAD-27
 KS SOUTH
 US FEET



BOTTOM HOLE
 331' FNL & 1871' FWL
 MD: ±9642'
 NAD-27
 X= 2008967
 Y= 155204
 LAT.: 37°05'34.5" N
 LONG.: 98°28'09.3" W
 LAT.: 37.092908° N
 LONG.: 98.469260° W

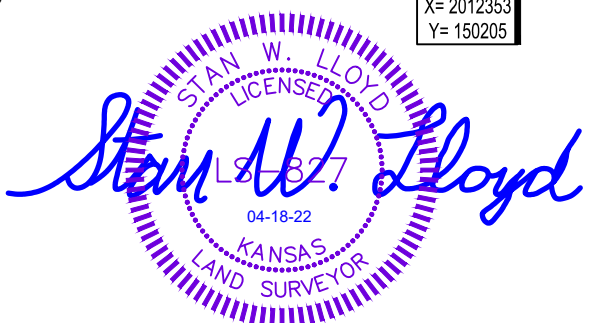
TOP COMPLETION INTERVAL
 461' FSL & 1988' FWL
 MD: ±5117'
 NAD-27
 X= 2009004
 Y= 150684
 LAT.: 37°04'49.8" N
 LONG.: 98°28'08.9" W
 LAT.: 37.080493° N
 LONG.: 98.469138° W

MISS ENTRY
 362' FSL & 1988' FWL
 MD: ±5014'
 NAD-27
 X= 2009004
 Y= 150584
 LAT.: 37°04'48.8" N
 LONG.: 98°28'08.9" W
 LAT.: 37.080219° N
 LONG.: 98.469136° W

SURFACE LOCATION
 375' FSL & 1745' FWL
 NAD-27
 X= 2008761
 Y= 150599
 LAT.: 37°04'48.9" N
 LONG.: 98°28'11.9" W
 LAT.: 37.080260° N
 LONG.: 98.469970° W
 ELEV.: 1361'

SURVEYOR'S CERTIFICATE:

I, STAN W. LLOYD, A KANSAS LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC, CO., DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.



Stan W. Lloyd, LS-827
 Authorized Agent of Topographic, Co.

13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
 TELEPHONE: (405) 843-4847 OR (800) 654-3219
 FAX: (405) 843-0975
 CERTIFICATE OF AUTHORIZATION NO. LS-318
 WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. MEYER 13-34-11 1H
 SECTION 13 TWP 34S RGE 11W MERIDIAN 6TH P.M.
 COUNTY BARBER STATE KANSAS
 DESCRIPTION 375' FSL & 1745' FWL

MEYER 13-34-11 1H	REVISION:	
	INT	DATE
DATE: 4/17/2022		
FILE:AD_MEYER_13-34-11_1H		
DRAWN BY: KEU		
SHEET: 1 OF 1		

- NOTES:**
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
 2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA, SOUTH ZONE, NAD 27 - HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY BCE-MACH III. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
 4. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
 5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Mach III LLC
 Meyer 13-34-11 1H
 Barber County
 3/15/2022
 Surface

Ticket # P-4559



COMPANY Mach III LLC	PROJECT NUMBER P-4559	AFE/WORK ORDER DC22010	DATE 3/15/2022
CONTRACTOR Spinnaker Oil	Owner Same	LEGAL DESCRIPTION Sec 13, T34N, R11W	API 15-007-24409
LEASE & WELL # Meyer 13-34-11 1H	COUNTY Barber County	STATE Kansas	MILEAGE 300

From Kiowa, KS - Go 2.9mi North on St Hwy 2/St Hwy 14, then go 1mi West on Rattlesnake Trail, then 2mi North to the Rig. Atlas 3

Pumping Services	<input checked="" type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Long String	<input type="checkbox"/> Plug Back						
	<input type="checkbox"/> Squeeze	<input type="checkbox"/> Acid	<input type="checkbox"/> PTA	<input type="checkbox"/> Other						
	Casing Size 9 5/8	Casing Weight 40.00	Thread LTC	Csng Grade J-55	Thread Yes	Plug. Cont. Yes	Swage Yes	Top Plug Yes	Bottom Plug N/A	% Excess 225%
	Number and Type Units Pump Truck, 1 ea. 660 Bulk Truck						BHST - F 83	Casing Dept 300	Depth - TVD - FT 300	Hole Size - Inches 12 1/4
Remarks 9 5/8" Top Plug, Head , 200 lbs Sugar						BHCT - F 80	Tubing Dept	Depth - MD - FT 300	Mud Weight/Type - PPG	

Materials	Spacer	Qty - BBLs 30	Type H2O	SPACER:	H2O
	BBL OF LEAD	# of Sacks 75	Type Class A	LEAD CEMENT	75 Sacks Class A, 3% Gypsum, 0.5% SMS, 2.5% Calcium Chloride, 0.25 lb/sk Poly
	H2O REQUIRED	Weight PPG 11.40	Yield Ft3/Sk 2.94	Water Gal/S 18.10	
	BBL OF TAIL	# of Sacks 95	Type Class A	TAIL CEMENT	95 Sacks Class A, 3% Gypsum, 0.5% SMS, 2.5% Calcium Chloride, 0.25 lb/sk Poly
	H2O REQUIRED	Weight PPG 13.20	Yield Ft3/Sk 1.85	Water Gal/S 9.95	
	Displacement	Qty - BBLs 20	Type H2O	DISPLACEMENT	H2O

Notes:
**SINGLE Variable Density Slurry. Please go by bbl counter. All cement in Front pot only.
 Lead - 6 hrs; Tail - 2.5 hrs**

Sales Items	Casing Size 9 5/8	Casing Weight 40.00	Thread LTC
	Guide Shoe	Float Shoe	Float Collar Insert Float Valve
	Centralizers - Number	Size	Type
	Wall Cleaners - Number	Type	MSC (DV Tool) MSC Plug Set
	Limit Clamps	Thread lock	Other
	Remarks 300 lbs Sugar		

Mach III LLC
 Meyer 13-34-11 1H
 Barber County
 3/19/2022
 Intermediate

Ticket # P-4570



COMPANY Mach III LLC	PROJECT NUMBER P-4570	AFE/WORK ORDER DC22010	DATE 3/19/2022
CONTRACTOR Spinnaker Oil	Owner Same	LEGAL DESCRIPTION Sec 13, T34N, R11W	API 15-007-24409
LEASE & WELL # Meyer 13-34-11 1H	COUNTY Barber County	STATE KS	MILEAGE 300
DIRECTIONS			

From Kiowa, KS - Go 2.9mi North on St Hwy 2/St Hwy 14, then go 1mi West on Rattlesnake Trail, then 2mi North to the Rig. Atlas 3

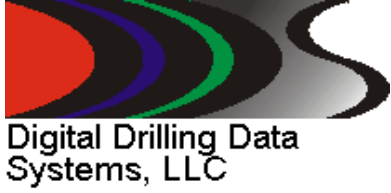
Pumping Services	<input type="checkbox"/> Surface		<input checked="" type="checkbox"/> Intermediate		<input type="checkbox"/> Long String		<input type="checkbox"/> Plug Back		
	<input type="checkbox"/> Squeeze		<input type="checkbox"/> Acid		<input type="checkbox"/> PTA		<input type="checkbox"/> Other		() H2S
	Casing Size	Casing Weight	Thread	CSG Grade	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
	7	26.00	TCBC	P-110	Yes	Yes	Yes	Yes	30%
Number and Type Units						BHST - F	Casing Dept	Depth - TVD - FT	Hole Size - Inches
Pump Truck, 1 ea. 660 Bulk						132	5100.89	4698	8 3/4
Remarks						BHCT - F	Tubing Dept	Depth - MD - FT	Mud Weight/Type - PPG
7" Top & Bottom Plugs, Head, manifold, circulating iron & both adapters						105		5100.89	WBM 8.9

BBL OF SPACER	Type		SPACER	
40	Fresh Water		Fresh Water	
BBL OF LEAD	# of Sacks	Type		LEAD CEMENT
63.6	65	Class A/POZ		65 Sacks 65/35 A/POZ, 12% Gel, 12% Gypsum, 12% SFA, 1.5% SA-2, 0.3 lb/sk Poly Flakes
H2O REQUIRED	Weight PPG	Yield Ft3/Sk	Water Gal/S	
55.5	10.20	5.49	35.89	
BBL OF TAIL	# of Sacks	Type		TAIL CEMENT
37.1	150	Class A/POZ		150 Sacks 50/50 A/POZ, 3% Gel, 2% Gypsum, 0.35% SFL-5
H2O REQUIRED	Weight PPG	Yield Ft3/Sk	Water Gal/S	
23.5	13.80	1.39	6.57	
Displacement	Qty - BBLS	Type	Procedure	
	195	Water	Water	

NOTES:

LEAD - BACK POT | TAIL - FRONT POT
 Pump time: LEAD - 6:00+ hrs. TAIL - 4:00 hrs

Sales Items	Casing Size	7	Casing Weight	26.00	Thread	
	Guide Shoe		Float Shoe		Float Collar	Insert Float Valve
	Remarks Defoamer, Plugs					



Survey Report

Company: SB Directional Services

Location: Kiowa

Well: Meyer 13-34-11 1H ST1

Rig: Atlas 3

API or UWI: 15007244090000

Job Number: 322707

State: KS

Operator: Mach Resources

County: Barber

Magnetic Declination: 0.00

Comment

Proposed Azimuth: 0.00

North Reference: GRID

Tiein Survey Data:

MD	Inclination	Azimuth	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
218.00	0.40	243.56	218.00	-0.34	-0.68	243.56	0.76	-0.34	0.18
399.00	0.62	255.21	398.99	-0.87	-2.19	248.37	2.36	-0.87	0.13
490.00	3.74	180.06	489.92	-3.96	-2.67	213.99	4.78	-3.96	3.99
581.00	7.08	166.04	580.51	-12.38	-1.32	186.10	12.45	-12.38	3.92
671.00	9.49	154.62	669.57	-24.47	3.20	172.56	24.67	-24.47	3.23
760.00	12.26	150.71	756.96	-39.34	10.97	164.42	40.84	-39.34	3.22
850.00	13.85	153.30	844.63	-57.30	20.48	160.33	60.85	-57.30	1.88
944.00	13.67	154.18	935.94	-77.35	30.37	158.56	83.10	-77.35	0.29
1035.00	12.57	150.44	1024.56	-95.64	39.94	157.33	103.65	-95.64	1.53
1127.00	12.84	150.27	1114.31	-113.23	49.95	156.19	123.76	-113.23	0.30
1218.00	14.02	150.22	1202.82	-131.58	60.44	155.33	144.79	-131.58	1.30
1309.00	15.08	152.86	1290.90	-151.68	71.32	154.82	167.61	-151.68	1.37
1402.00	15.34	153.65	1380.64	-173.47	82.29	154.62	192.00	-173.47	0.36
1496.00	16.00	153.04	1471.15	-196.16	93.69	154.47	217.38	-196.16	0.72
1590.00	16.75	152.55	1561.33	-219.72	105.80	154.29	243.87	-219.72	0.81
1684.00	14.59	157.47	1651.84	-242.68	116.59	154.34	269.24	-242.68	2.70
1778.00	12.97	157.74	1743.13	-263.38	125.12	154.59	291.59	-263.38	1.72
1873.00	12.44	156.68	1835.80	-282.65	133.21	154.77	312.46	-282.65	0.61
1967.00	12.09	156.33	1927.66	-300.96	141.17	154.87	332.42	-300.96	0.38

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
2061.00	11.74	155.76	2019.63	-318.70	149.05	154.94	351.83	-318.70	0.39
2156.00	11.03	155.10	2112.76	-335.75	156.84	154.96	370.58	-335.75	0.76
2251.00	9.63	154.14	2206.22	-351.15	164.13	154.95	387.61	-351.15	1.48
2346.00	8.31	155.32	2300.06	-364.53	170.47	154.94	402.42	-364.53	1.40
2440.00	9.14	160.38	2392.97	-377.74	175.81	155.04	416.65	-377.74	1.20
2534.00	9.05	160.07	2485.79	-391.72	180.84	155.22	431.45	-391.72	0.11
2629.00	9.63	166.84	2579.53	-406.48	185.19	155.51	446.68	-406.48	1.31
2723.00	9.58	167.23	2672.21	-421.77	188.71	155.89	462.06	-421.77	0.09
2817.00	8.79	165.30	2765.01	-436.34	192.26	156.22	476.83	-436.34	0.90
2912.00	9.98	163.93	2858.74	-451.28	196.38	156.48	492.16	-451.28	1.27
3006.00	11.03	161.61	2951.16	-467.64	201.48	156.69	509.19	-467.64	1.20
3100.00	11.16	160.42	3043.40	-484.74	207.36	156.84	527.23	-484.74	0.28
3194.00	11.08	160.20	3135.64	-501.81	213.47	156.96	545.33	-501.81	0.10
3289.00	10.68	159.94	3228.93	-518.67	219.58	157.05	563.23	-518.67	0.42
3383.00	9.98	158.62	3321.41	-534.43	225.54	157.12	580.08	-534.43	0.79
3478.00	8.84	158.40	3415.13	-548.89	231.23	157.16	595.60	-548.89	1.20
3572.00	7.91	156.73	3508.12	-561.55	236.44	157.17	609.29	-561.55	1.02
3666.00	6.02	157.43	3601.42	-572.04	240.89	157.16	620.69	-572.04	2.01
3761.00	4.92	156.16	3695.99	-580.37	244.45	157.16	629.75	-580.37	1.16
3855.00	2.68	171.27	3789.78	-586.23	246.41	157.20	635.91	-586.23	2.59
3949.00	0.88	214.91	3883.73	-588.99	246.33	157.30	638.43	-588.99	2.27
4034.00	0.70	223.44	3968.73	-589.90	245.60	157.40	638.99	-589.90	0.25
4085.00	0.48	230.29	4019.72	-590.27	245.22	157.44	639.18	-590.27	0.45
4132.00	4.75	359.23	4066.67	-588.44	245.04	157.39	637.43	-588.44	10.78
4179.00	10.29	358.96	4113.25	-582.30	244.94	157.19	631.72	-582.30	11.79
4227.00	15.16	357.69	4160.06	-571.73	244.61	156.84	621.86	-571.73	10.16
4274.00	19.82	0.68	4204.87	-557.62	244.46	156.33	608.85	-557.62	10.09
4321.00	23.87	3.93	4248.49	-540.15	245.20	155.58	593.20	-540.15	8.99
4368.00	29.36	1.78	4290.49	-519.13	246.22	154.63	574.56	-519.13	11.86
4415.00	34.77	1.07	4330.31	-494.20	246.82	153.46	552.41	-494.20	11.54
4462.00	39.38	1.82	4367.80	-465.88	247.55	152.02	527.57	-465.88	9.86
4510.00	42.81	4.02	4403.97	-434.38	249.18	150.16	500.78	-434.38	7.75
4557.00	45.76	2.17	4437.61	-401.62	250.93	148.00	473.57	-401.62	6.85
4605.00	49.45	3.36	4469.97	-366.22	252.65	145.40	444.92	-366.22	7.90
4652.00	52.09	1.51	4499.69	-329.85	254.19	142.38	416.43	-329.85	6.39

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
4699.00	54.59	359.18	4527.76	-292.16	254.40	138.95	387.40	-292.16	6.64
4746.00	57.41	358.88	4554.04	-253.20	253.74	134.94	358.46	-253.20	6.02
4794.00	61.14	357.78	4578.56	-211.96	252.53	130.01	329.70	-211.96	8.02
4841.00	62.11	357.03	4600.89	-170.65	250.66	124.25	303.24	-170.65	2.50
4888.00	62.55	356.72	4622.72	-129.09	248.39	117.46	279.93	-129.09	1.10
4982.00	65.19	357.56	4664.11	-44.81	244.19	100.40	248.26	-44.81	2.92
5029.00	72.18	359.10	4681.19	-1.07	242.92	90.25	242.93	-1.07	15.18
5045.00	73.76	359.32	4685.88	14.22	242.71	86.65	243.13	14.22	9.96
5075.00	78.02	359.93	4693.19	43.31	242.53	79.87	246.36	43.31	14.34
5090.00	79.65	359.97	4696.09	58.03	242.51	76.54	249.36	58.03	10.87
5143.00	85.71	0.77	4702.84	110.57	242.85	65.52	266.84	110.57	11.53
5174.00	87.52	1.21	4704.67	141.51	243.39	59.83	281.54	141.51	6.01
5205.00	89.32	0.94	4705.53	172.49	243.97	54.74	298.79	172.49	5.87
5237.00	90.37	359.84	4705.61	204.49	244.19	50.06	318.50	204.49	4.75
5268.00	91.34	359.14	4705.15	235.48	243.91	46.01	339.03	235.48	3.86
5315.00	91.69	359.14	4703.91	282.46	243.21	40.73	372.74	282.46	0.74
5362.00	92.31	359.01	4702.27	329.42	242.45	36.35	409.03	329.42	1.35
5409.00	89.93	359.67	4701.35	376.41	241.91	32.73	447.44	376.41	5.25
5456.00	90.02	359.32	4701.37	423.41	241.49	29.70	487.43	423.41	0.77
5550.00	90.46	359.05	4700.98	517.40	240.16	24.90	570.42	517.40	0.55
5597.00	90.33	358.79	4700.65	564.39	239.27	22.97	613.01	564.39	0.62
5640.00	89.93	358.79	4700.55	607.38	238.36	21.43	652.47	607.38	0.93
5731.00	89.76	358.66	4700.80	698.35	236.34	18.70	737.26	698.35	0.24
5821.00	91.43	358.57	4699.87	788.32	234.16	16.54	822.36	788.32	1.86
5911.00	92.40	358.52	4696.86	878.24	231.88	14.79	908.33	878.24	1.08
6002.00	89.71	358.74	4695.18	969.19	229.70	13.33	996.04	969.19	2.97
6094.00	89.36	358.79	4695.93	1061.17	227.72	12.11	1085.32	1061.17	0.38
6183.00	90.37	359.10	4696.14	1150.15	226.08	11.12	1172.16	1150.15	1.19
6272.00	89.63	359.01	4696.14	1239.14	224.61	10.27	1259.33	1239.14	0.84
6362.00	88.84	359.18	4697.34	1329.12	223.19	9.53	1347.73	1329.12	0.90
6452.00	90.24	358.96	4698.06	1419.10	221.73	8.88	1436.32	1419.10	1.57
6544.00	90.15	358.35	4697.75	1511.07	219.57	8.27	1526.94	1511.07	0.67
6635.00	90.11	357.91	4697.54	1602.02	216.60	7.70	1616.60	1602.02	0.49
6726.00	89.49	357.47	4697.86	1692.95	212.94	7.17	1706.29	1692.95	0.84
6817.00	90.20	358.13	4698.11	1783.88	209.44	6.70	1796.13	1783.88	1.07

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
6911.00	90.46	358.00	4697.57	1877.82	206.27	6.27	1889.12	1877.82	0.31
7005.00	92.66	359.10	4695.01	1971.75	203.89	5.90	1982.27	1971.75	2.62
7099.00	93.41	358.88	4690.03	2065.61	202.24	5.59	2075.48	2065.61	0.83
7146.00	92.92	358.13	4687.44	2112.52	201.01	5.44	2122.06	2112.52	1.90
7194.00	90.68	358.30	4685.93	2160.47	199.52	5.28	2169.66	2160.47	4.68
7244.00	90.02	357.91	4685.62	2210.44	197.86	5.12	2219.28	2210.44	1.53
7287.00	90.24	357.65	4685.52	2253.41	196.20	4.98	2261.93	2253.41	0.79
7382.00	89.36	358.92	4685.86	2348.36	193.35	4.71	2356.31	2348.36	1.63
7475.00	91.03	359.54	4685.54	2441.35	192.10	4.50	2448.89	2441.35	1.92
7570.00	91.47	359.76	4683.47	2536.32	191.52	4.32	2543.54	2536.32	0.52
7662.00	91.60	0.19	4681.00	2628.29	191.48	4.17	2635.26	2628.29	0.49
7677.00	90.37	359.80	4680.74	2643.29	191.48	4.14	2650.21	2643.29	8.60
7691.00	89.71	358.96	4680.73	2657.29	191.33	4.12	2664.17	2657.29	7.63
7722.00	89.01	357.78	4681.08	2688.27	190.45	4.05	2695.01	2688.27	4.43
7754.00	89.19	357.82	4681.58	2720.24	189.22	3.98	2726.82	2720.24	0.58
7785.00	89.23	355.67	4682.01	2751.19	187.46	3.90	2757.57	2751.19	6.94
7816.00	89.76	355.80	4682.28	2782.10	185.16	3.81	2788.26	2782.10	1.76
7848.00	90.33	354.48	4682.26	2813.99	182.45	3.71	2819.89	2813.99	4.49
7879.00	90.77	353.56	4681.96	2844.82	179.22	3.60	2850.45	2844.82	3.29
7910.00	91.25	353.87	4681.42	2875.62	175.82	3.50	2880.99	2875.62	1.84
7942.00	91.74	353.69	4680.58	2907.43	172.36	3.39	2912.53	2907.43	1.63
7989.00	91.16	353.82	4679.39	2954.13	167.25	3.24	2958.86	2954.13	1.26
8035.00	91.25	353.91	4678.42	2999.86	162.33	3.10	3004.25	2999.86	0.28
8082.00	89.58	354.04	4678.08	3046.59	157.40	2.96	3050.66	3046.59	3.56
8130.00	89.98	354.04	4678.27	3094.33	152.41	2.82	3098.09	3094.33	0.83
8177.00	90.29	353.21	4678.16	3141.04	147.20	2.68	3144.49	3141.04	1.89
8224.00	90.73	354.39	4677.74	3187.77	142.12	2.55	3190.93	3187.77	2.68
8271.00	91.43	354.35	4676.85	3234.53	137.51	2.43	3237.45	3234.53	1.49
8318.00	91.60	357.07	4675.61	3281.38	134.00	2.34	3284.11	3281.38	5.80
8365.00	92.00	356.50	4674.13	3328.28	131.36	2.26	3330.87	3328.28	1.48
8412.00	90.59	358.74	4673.07	3375.22	129.41	2.20	3377.70	3375.22	5.63
8459.00	90.33	358.17	4672.69	3422.21	128.14	2.14	3424.60	3422.21	1.33
8506.00	90.07	357.56	4672.53	3469.17	126.39	2.09	3471.47	3469.17	1.41
8600.00	91.21	359.76	4671.48	3563.13	124.19	2.00	3565.30	3563.13	2.64
8694.00	92.22	359.84	4668.67	3657.09	123.87	1.94	3659.19	3657.09	1.08

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8789.00	92.13	359.45	4665.06	3752.02	123.28	1.88	3754.04	3752.02	0.42
8883.00	89.23	358.57	4663.95	3845.99	121.65	1.81	3847.91	3845.99	3.22
8977.00	89.98	358.61	4664.59	3939.96	119.34	1.73	3941.76	3939.96	0.80
9071.00	90.20	358.30	4664.45	4033.92	116.81	1.66	4035.61	4033.92	0.40
9165.00	90.37	358.26	4663.98	4127.88	113.98	1.58	4129.45	4127.88	0.19
9259.00	90.77	358.13	4663.04	4221.83	111.02	1.51	4223.29	4221.83	0.45
9353.00	90.20	357.47	4662.25	4315.75	107.42	1.43	4317.09	4315.75	0.93
9447.00	91.30	357.07	4661.02	4409.64	102.94	1.34	4410.84	4409.64	1.25
9542.00	90.51	358.35	4659.52	4504.55	99.14	1.26	4505.64	4504.55	1.58
9590.00	90.55	358.79	4659.07	4552.53	97.95	1.23	4553.58	4552.53	0.92
9642.00	90.55	358.79	4658.57	4604.52	96.85	1.20	4605.53	4604.52	0.00