### State of New Mexico Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham Governor

Sarah Cottrell Propst Cabinet Secretary

**Todd E. Leahy, JD, PhD** Deputy Secretary

Adrienne Sandoval, Division Director Oil Conservation Division



07/21/2020

### Operator Notice Regarding C-104 Denial and Request for Information

30-015-46449

OCD is providing notice to operators that it will deny your C-104 – Request for Allowable and Authorization to Transport if it fails to provide complete and accurate information, including:

Test Allowable, New Well and Recompleted Well	C-104 RT is submitted late, read rule:19.15.7.15,
	19 15 7 16 Marathon has Completion data already
<ul> <li>□ Spud Notice</li> <li>□ Surface Casing</li> <li>□ Intermediate Casing (if applicable)</li> <li>□ Additional Intermediate Casing (if application Casing or Liner)</li> </ul>	**C-103 missing for word document attached. Please submit as amended on details section.  plicable)
☐ Applicable Order (NSL, NSP, Other	)
☐ Deviation Survey for Vertical Wells	
XX Directional Survey xx Please re-submit	with C-104
C-102 (As-Drilled Plat for Horizontal	Well)
New Well and Recompleted Well Only	
C-103 Completion Sundry (or BLM equivalent	nt)
	nt)
All Logs Run on Well	

The sale or transport of product without an approved C-104 violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC. If OCD determines that your C-104 is incomplete or inaccurate, it will give you notice to resubmit your C-104 within 30 days. Failure to comply with this notice may result in enforcement action.

If you have any questions, please contact the local OCD District Office.

Once Complete, re-submit through e docs asap.

Thank you

District I 1625 N. French Dr., Hobbs, NM 88240 District II

811 S. First St., Artesia, NM 88210

EMNRD-OCD ARTESIA Form C-104 Energy, Minerals & Natural Resources \*\* REC'D: 7/14/2020 Revised August 1, 2011

State of New Mexico

811 S. First St., A District III 1000 Rio Brazos District IV 1220 S. St. France	Rd., Azte	c, NM	87410	505	12		ion Division . Francis Dr. IM 87505		Subr	nit one co	ppy to app	propriate District Office  AMENDED REPORT
	I.	RE	QUE	EST FO			AND AUT	HO	RIZATIO	N TO T	<b>TRANS</b>	SPORT
<sup>1</sup> Operator n MATADOR 5400 LBJ F DALLAS, T	PRODU	JCTIO AY, ST	N COM						<sup>2</sup> OGRID N <sup>3</sup> Reason for ** RT		2289 ode/ Effe	
<sup>4</sup> API Numbe 30 - 015-4	6449		PU			OLFCAMP (G	GAS)			9	ool Code 8220	
<sup>7</sup> Property C 326434	ode		8 Prop RA	erty Nam Y STATI	ie E COM						ell Numb 204H	per
II. 10 Su												
Ul or lot no.	Section 1	Tow 24	nship S	Range 28E	Lot Idn	Feet from the	North/South	Line	Feet from th	e East/	West line	County EDDY
	tom H					1 333			200			2001
UL or lot no.	Section		nship	Range	Lot Idn	Feet from the	North/South	line	Feet from th	e East/	West line	County
Α	25	24	_	28E		241'	N	16	437'	E	122	EDDY
12 Lse Code S	13 Produ	cing Me Code F	ethod	14 Gas Co Da		C-129 Per	mit Number	10 (	C-129 Effectiv	e Date	1/ C-:	129 Expiration Date
III. Oil a	nd Gas		nspor		14/20							
<sup>18</sup> Transpor				3355		19 Transpo						<sup>20</sup> O/G/W
OGRID					LONG	and A	ddress PIPELINE, LLC					
371242					5400	LBJ FREEWA AS, TX 7524	Y, STE 1500					G
195739					333 C	NS PIPELINE, CLAY STREET	, STE 1600					0
					HOUS	STON, TX 77	002				1	
										_		
IV. Well						nt in hole 20,1			25 m. a		1	26
<sup>21</sup> Spud Da		**	Ready 1 06/03/	Date 20		<sup>23</sup> TD 40'/20,198'	<sup>24</sup> PBTD 20,090	1	25 Perfor			<sup>26</sup> DHC, MC
	le Size		10,00,	<sup>28</sup> Casing			20,090 <sup>29</sup> Dep			20,040		eks Cement
Surf: 17.5			1	3.375 #	54.5 J	55	217	"			710	1.34 A
Int1: 12.25				9.625 #	40.0 J	55	2775	•			1620	1.33 C
Int2: 8.75			7	7.625 #2	29.7 P1	110	9871	•			875	1.37 C
Prod: 6.75			5	5.5 #2	0.0 P	110	20185	5'			1100	1.44 H
V. Well												
31 Date New	Oil	32 Gas	Delive	ry Date	33 7	Test Date	<sup>34</sup> Test I	Lengt	h 35	Tbg. Pres	sure	<sup>36</sup> Csg. Pressure
06/03/20		06	04/20		31		40 -					41
<sup>37</sup> Choke Si	ze		<sup>38</sup> Oil		3,	Water Water	<sup>40</sup> G	as				41 Test Method
<sup>42</sup> I hereby cert been complied									OIL CONSE	RVATIO	N DIVISIO	ON
complete to the						e is true and						
Signature:	Pers.	7	1 m	10 1	,		Approved by:			ENI	ED	
Printed name:	wa			···			Title:			<u> </u>		
Ava Monroe Title:							Approval Date:					
Sr. Reg		Analys	<u> </u>									
E-mail Address amonroe@n Date:		esour		m one:			Refer	to p	age 1 of t	he atta	achmer	nt(s)
07/14	<mark>1/20 *</mark> *				-371-521	8						

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 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

1220 S St Francis Dr , Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

Section Township

111. or lot no.

State of New Mexico Energy, Minerals & Natural Resources REC'D: 7/14/2020 Department OIL CONSERVATION DIVISION

**EMNRD-OCD ARTESIA** 

East/West line

Revised August 1, 2011

**FORM C-102** 

County

Submit one copy to appropriate

District Office

1220 South St. Francis Dr. AMENDED REPORT Santa Fe, NM 87505

Feet from the

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Numbe	er	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	
30-015-46449		98220	PURPLE SAGE;WOLFCAMP (GAS)	
Property Code		<sup>5</sup> P1	roperty Name	⁵Well Number
326434		RAY S	STATE COM	204H
OGRID No.		*Ol	perator Name	<sup>9</sup> Elevation
228937		MATADOR PRO	DUCTION COMPANY	2962'

<sup>10</sup>Surface Location

Feet from the

Lot Idn

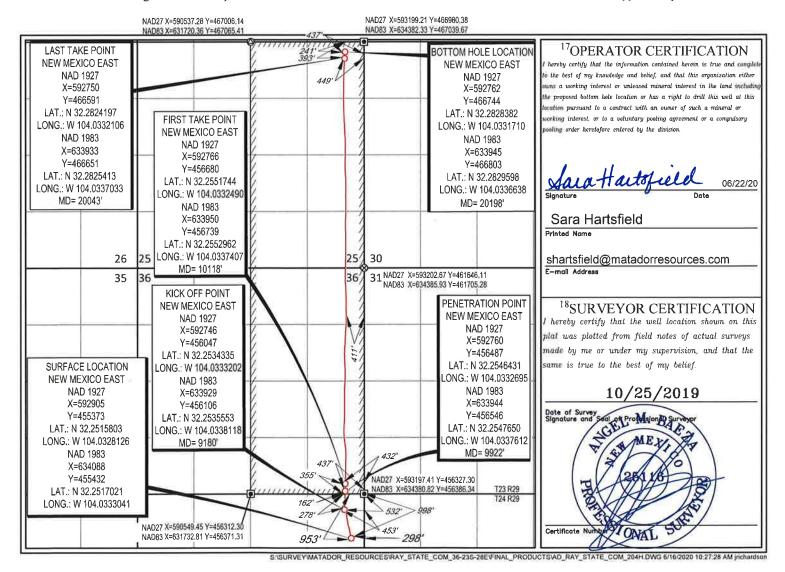
Range

1	1	24-S	28-E	₩,	953'	NORTH	298'	EAST	EDDY
			11	Bottom Ho	ole Location If I	Different From Su	rface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

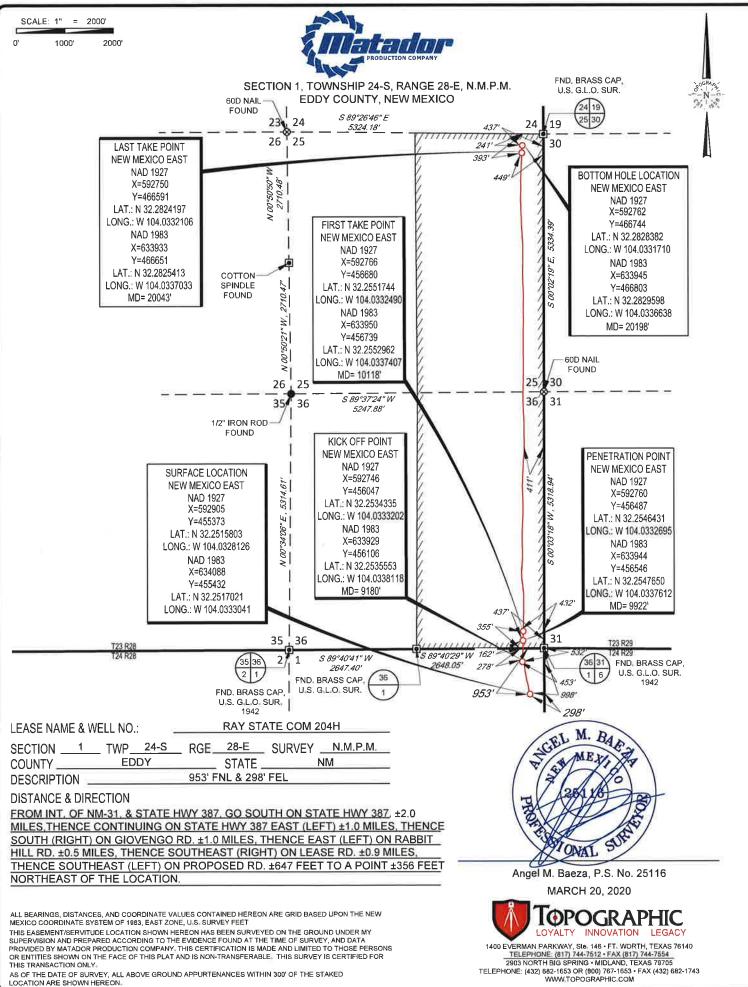
North/South line

A	25	23-S	28-E		241'	NORTH	437'	EAST	EDDY
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or l	Infill 14C	unsolidation Co	de <sup>15</sup> Orc	der No.			•	

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.



Intent		As Drill	led X										
API#	15 404	140											3
	15-464 rator Nar				T	Property	Name	•					Well Number
		PRODU	CTION	СОМІ	PANY				СОМ				204H
Kick C	Off Point	(KOD)											
			Banga	Lot	Foot	Eron	n N/S	Feet		Erom	ı E/W	County	
UL 1	Section 1	Township 24S	Range 28E	Lot	Feet 278	N	114/3	453		E	I L/ VV	EDDY	
Latitu					Longitu		4.4.0					NAD	
N 3	2.2535	5553			W 10	4.0338	118					83	
First 7	Take Poir	nt (FTP)											
UL	Section	Township	Range	Lot	Feet		n N/S	Feet			ı E/W	County	= ====
A Latitu	36	248	28E		355 Longitu	S ide		432		E		NAD	
	2.2552	2962			_	4.0337	407					83	
Last 1	Take Poir	nt (LTP)											
UL	Section	Township	Range	Lot	Feet	From N/S	Fee	et	From	E/W	Coun	ty	
A	25	23S	28E		393	N	44	9	E		EDD		
Latitu	<sup>ude</sup> 2.2825	5/12			Longitu	<sup>ide</sup> 04.0337	ักรร				NAD 83		
14 3	2.202	7413			VV 10	74.0007	000				00		
									<b>-</b>				
Is this	s well the	e defining v	well for th	e Hori	zontal S	pacing Un	it?	Υ					
Is this	s well an	infill well?		N	7								
					_								
				. هم				,,			D. C		and the state of the
		olease prov	ide API if	availa	ble, Ope	rator Nam	e and	well r	numbe	r tor	Detini	ng well fo	or Horizontal
	ing Unit.		7										
API #	<b>‡</b>												
Ope	erator Na	ıme:				Property	y Nam	e:					Well Number
-													KZ 06/29/2018



### Ray State Com 204H 30-015-46449

### **Drilling Sundry**

11/25/19	Spud well. Drill ahead.
11/29/19	RU & run surface casing; 13 3/8" 54.5# BTC csg and set @217'; Hole sz 17.5"  Cement csg w/Spinnaker Cementers as follows: Pump 710 sx Class A, 1.34 yld; 30 bbls (126 sx) cement to surface. WSI and secured. Drilling paused. Rig walked to nearby well.
12/26/19	Walk rig and center over well. WOC 657.0 hrs. Test surface csg to 910 psi; held for 30 min. Good test. Prep well to resume drilling 12/27/19. Drill ahead.
12/29/19	Run 9 5/8" 40# J55 intermediate 1 csg set @ 2775'. Hole sz 12.25". Pump 1620 sx of Class C w/ 1.33 yld. No cement to surface. Notify Mike Bratcher and ran CBL, (cemented Int2 to surface). RD Halliburton. Nipple down BOPs, well secured. Prepare to walk rig to nearby well.
01/06/20	Walk rig and center over hole.
01/07/20	WOC 202.0 hrs; test Int1 to 1500 psi. Held. Good test. Drill ahead.
01/12/20	Run 7 5/8" 29.7# Int2 csg and set @ 9871'. Hole sz 8.75". Pump 875 sx Class C w/1.37 yld. Returned 75 sx to surface. WOC.
01/13/20	WOC 39.0 hrs. Test Int2 casing to 2500 psi for 30 min. Held, good test. Drill ahead.
01/29/20	Run 5 1/2" 20# PP10 production casing set @ 20,185'. Hole sz 6.75". Pump 1100 sx Class H w/1.44 yld. Returned 125 sx to surface. WOC.
01/30/20	Release rig. WSI and secured; awaiting completion.
03/28/20	WOC 1417 hrs. Perform casing integrity test to 5949 psi for 30 min. Dropped 59 psi; good test.
	TVD/MD 9740'/20198' reached 01/27/20. PBTD 20,090' reached 01/27/20



1 5	Christopher Hair	cerniy macı am	employed by VES	Survey interna	ational. That I did on the da	.y(3)
of _	12/29/19 through	12/29/19c	conduct or supervis	se the taking o	f a Rate Gyro	survey from a
dept		eet to a depth of		•	ata is true, correct, complet	
					am authorized and qualified	t
to m	ake this report; that this	survey was condu	ucted at the reques	st of	Matador Production Co	mpany for the
	Ray State Com	Well #	204H	API #	30-015-46449	
in	Eddy	County / Parisl	h New Mex	ico ; a	nd that I have reviewed this	report and
find	that it conforms to the p	rinciples and proc	edures as set fort	h by VES Surv	ey International.	

Christopher Hair Service Technician VES Survey International



# Company: MATADOR PRODUCTION COMPANY

Lease/Well: Ray State Com/204H

API : 30-015-46449

Rig Name: PATTERSON 282 State/County: NEW MEXICO/EDDY

Latitude: 32.25, Longitude: -104.03

VS-Azi: 359.57 Degrees

GRID North is 0.16 Degrees East of True North



Depth Reference : RKB = 28 FEET

DRILLOG MS GYRO SURVEY CALCULATIONS
Filename: msgyro run01-01-de 01-ut

Filename: msgyro\_run01-01-de\_01.ut Minimum Curvature Method Report Date/Time: 1/2/2020 / 10:32

VES Survey International
Midland, TX

(432) 563-5444 Surveyor: Christopher Hair

Ray State Com 204H / API: 30-015-46449

1740.90	1647.69	1554.48	1461.27	1368.06	1274.85	1181.64	1088.43	995.22	902.01	808.80	715.59	622.38	529.17	435.96	342.75	249.54	156.33	63.12	0.00	FT	Depth	Measured
7.03	7.02	6.91	5.65	4.82	4.20	3.07	1.97	1.38	1.12	1.19	1.86	1.81	2.01	2.26	2.05	1.94	1.42	0.59	0.00	Deg	Angle	Incl
353.55	357.70	353.94	352.88	349.35	348.42	349.65	354.56	11.71	7.41	5.87	350.98	338.32	322.65	308.23	311.27	308.78	318.52	328.75	0.00	Deg	Direction	Drift
1737.54	1645.03	1552.50	1459.86	1367.03	1274.11	1181.09	1087.97	994.80	901.62	808.43	715.25	622.09	528.93	435.78	342.64	249.48	156.31	63.12	0.00	뒤	₩.	
82.93	71.57	60.31	50.18	41.78	34.59	28.79	24.74	22.04	20.03	18.15	15.70	12.83	10.16	7.73	5.49	3.40	1.55	0.28	0.00	FT	+N/-S	
-19.89	-19.02	-18.20	-17.04	-15.75	-14.34	-13.21	-12.61	-12.68	-13.03	-13.25	-13.11	-12.33	-10.79	-8.35	-5.66	-3.18	-1.18	-0.17	0.00	FT	+E/-W	
83.07	71.71	60.44	50.30	41.89	34.69	28.89	24.83	22.13	20.12	18.25	15.79	12.93	10.24	7.79	5.53	3.43	1.56	0.28	0.00	F	Section	Vertical
85.28	74.06	62.99	52.99	44.65	37.44	31.67	27.76	25.42	23.89	22.47	20.45	17.80	14.82	11.38	7.88	4.65	1.95	0.32	0.00	FT	Distance	Closure
346.51	345.12	343.20	341.24	339.34	337.48	335.36	332.99	330.08	326.95	323.88	320.13	316.16	313.29	312.76	314,13	316.97	322.70	328.75	0.00	Deg	Direction	Closure
0.54	0.50	1.36	0.95	0.67	1.22	1.20	0.83	0.30	0.08	0.82	0.44	0.60	0.63	0.26	0.15	0.64	0.91	0.93	****	Deg/100	Severity	Dogleg

Drift         TVD         +N/-S         +E/-W         Vertical Section         Closure Distance           Direction         TVD         +N/-S         +E/-W         Section         Distance           Deg         FT         FT         FT         FT         FT           10         354.32         1830.07         94.09         -21.08         94.24         96.42           2         350.63         1922.64         104.88         -22.50         105.04         107.26           2         348.79         2015.24         115.37         -24.40         115.55         117.92           349.68         2107.87         125.56         -26.34         125.76         128.30           4         348.33         2200.54         135.45         -28.26         135.66         138.37           2         349.75         2293.11         146.09         -30.31         146.32         149.20           3         347.57         2478.14         168.30         -35.04         168.56         171.91           2         346.97         2570.66         179.39         -37.55         179.66         183.27           3         349.58         2663.18         190.47         -39.85<					LACEMENT IS 3.18 DEGREES	HORIZONTAL DISPLACEMENT IS 194.60 FEET AT 348.18 DEGREES				
Drift         TVD         +N/-S         +E/-W         Section         Distance         Closure	0.46	348.18	194.60	190.77	-39.85	190.47	2663.18	349.58	6.84	2673.00
Drift         TVD         +N/-S         +E/-W         Vertical Section         Closure Closure Closure         Douge         Closure Closure         Closure Closure         Douge         FT         FT         FT         FT         Section         Distance Distance         Direction         Severion         Severion         Douge         Closure         Closure         Closure         Douge         Closure         Closure         Closure         Closure         Closure         Douge         Douge         PT         FT         FT         FT         FT         PT         Douge         Douge         Douge         Douge         Douge         PP           0         354.32         1830.07         94.09         -21.08         94.24         96.42         347.37         PP           2         348.79         2015.24         115.37         -24.40         115.55         117.92         348.06         347.89         348.06         128.30         348.15         348.06         348.15         348.15         348.15         348.15         348.15         348.21         348.21         348.21         348.21         348.23         348.24         348.24         348.24         348.24         348.24         348.24         348.24         348.24         <	0.27	348.18	183.27	179.66	-37.55	179.39	2570.66	346.97	7.12	2579.79
Drift         TVD         +N/-S         +E/-W         Section         Closure Direction         Closure Doug         Deg         PT         FT         FT         FT         PT	0.08	348.24	171.91	168.56	-35.04	168.30	2478.14	347.57	6.88	2486.58
Drift         TVD         +N/-S         +E/-W         Vertical         Closure         Closure         Doure	0.44	348.30	160.69	157.59	-32.60	157.35	2385.61	347.27	6.95	2393.37
Drift         TVD         +N/-S         +E/-W         Vertical         Closure         Closure         Doure	1.18	348.28	149.20	146.32	-30.31	146.09	2293.11	349.75	7.22	2300.16
Drift         TVD         +N/-S         +E/-W         Section         Distance         Closure         Closure         Doug           Deg         FT         FT         FT         FT         FT         FT         Deg         Distance         Direction         Sev           Deg         FT         FT         FT         FT         FT         Deg	0.21	348.21	138.37	135.66	-28.26	135.45	2200.54	348.33	6.14	2206.95
Drift         Vertical         Closure         Closure         Doure	0.29	348.15	128.30	125.76	-26.34	125.56	2107.87	349.68	6.27	2113.74
Drift         Vertical         Closure         Closure         Douge         Closure         Douge         Closure         Douge         FT         FT         FT         FT         FT         FT         Douge         Douge         Direction         Sevention         Distance         Direction         Sevention         Douge         Douge         Douge         PT         FT         FT         FT         PT         Douge         Do	0.25	348.06	117.92	115.55	-24.40	115.37	2015.24	348.79	6.52	2020.53
Drift         TVD         +N/-S         +E/-W         Vertical Closure Closure Closure Distance D	0.50	347.89	107.26	105.04	-22.50	104.88	1922.64	350.63	6.62	1927.32
Drift Closure Closure  Direction TVD +N/-S +E/-W Section Distance Direction  Deg FT FT FT FT FT Deg	0.26	347.37	96.42	94.24	-21.08	94.09	1830.07	354.32	6.80	1834.11
Direction TVD +N/-S +E/-W Section Distance Direction	Deg/100	Deg	FT	FT	뒤	FI	FT	Deg	Deg	FI
Drift Vertical Closure Closure	Severity	Direction	Distance	Section	+E/-W	+N/-S	٦Vb	Direction	Angle	Depth
	Dogleg	Closure	Closure	Vertical				Drift	Incl	Measured





### MS Directional Survey Data Certification

MS Directional Job Number:

MSMO-73000

Survey Type:

**MWD** 

Operating Company:

**Matador Production Company** 

Well Name & Number:

Ray State COM #204H

Location:

Eddy County, NM

API Number:

30-015-46449

Tie In Depth:

2,673' MD

Surveyed Depths:

2,853' - 20,147' MD

Projected TD Survey:

20,198' MD

**Dates Performed:** 

12/26/2019 - 01/27/2020

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Matt Richmond

Digitally signed by:

MWD Surveyor Name:

William Richmond

Date:

04-05-2020

Email:

William.Richmond@msdir.com

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Matador Production Con	Company.
Directional	

Company:	05.04.02 Dir
Matador Production C	ectional
8	

Eddy County, NIB	Company:	Matador Production Company Ray State COM #204H	uction Compa	any						
	Location:	Eddy County,	3 NM			Magnetic Declinat		DEFERRANCED TO G	HTRON CIR	4
Interval	Job Number:	MSMO-73000				C				
Delta   Proposed Direction:   Delta	API#:	30-015-46449								
	Vertical Section Az	imuth:	0.0	01		<b>Proposed Direction</b>				
No.   No.   Prof.	Survey Calculation	Method:	Z	nimum Curvatı	лге					
Depth   Depth   Degrees   Degrees   Feet   Feet   Feet   Vert Sec   Distance   Add 29   1.78   1.7		MD	Z	ဂ		TVD	N/S	ΕM	7	VS
Doppith         Inc         Lam         TVD         M/S         E/W         Obssilve         DLS/           Feet         Bogrees         Popt         Feet         Feet         Closure         DLS/           34         8,780         1.50         231,30         8474,386         674,20         -155,13         674,17         692,04         346,36         1.28           35         8,884         0.30         243,80         893838         673,38         -157,368         673,26         691,77         346,67         1.74           36         8,974         0.60         255,30         9072,86         673,58         -157,368         673,36         691,92         346,81         0.22           37         9,072         0.60         255,30         9073,84         673,56         -158,22         691,92         346,81         0.22           38         9,174         0.60         255,00         9127,17         686,85         -158,82         673,56         681,92         346,81         0.22           42         9,349         2,070         358,40         9315,10         715,89         -158,82         774,86         347,18         18.20           44         9,349		0,198	91.	50	5.50	9740.19	11370.78	-142.9	32	11370.75
Feet         Dogmees         Dogmees         Feet         Feet         Feet         Vert Sec         Distance         Azm         100           34         8,700         11,50         233,80         8234,80         839,85         673,87         -156,13         694,20         -156,13         694,17         820,00         346,80         128           35         8,878         0.20         245,80         839,385         673,84         -157,38         673,55         691,98         346,85         0.41           37         9,072         0.40         252,70         9072,84         673,55         -158,28         673,55         691,90         346,70         0.43           38         9,172         0.60         255,30         9079,84         673,55         -158,24         691,90         346,70         0.03           44         9,272         12,20         250         9180,75         673,44         694,57         346,94         43,19         335,0         9351,10         715,89         -158,84         673,15         664,57         0.72         346,94         13,19           44         9,466         0.72         0.21         9401,15         884,55         -158,84         688,53	Depth		Azm	TVD	N/S	E/W	Surface	Closu	re	
8790 1.50 23180 874.58 674.20 1.65.13 674.17 882.04 346.96 1.28 8844 0.30 343.80 8839.85 673.67 157.17 673.62 691.02 346.87 1.74 8.97.04 0.40 252.70 9027.85 673.84 157.38 673.82 691.98 346.85 0.41 9.072 0.40 252.70 9027.85 673.84 157.38 673.82 691.98 346.85 0.41 9.072 0.40 252.70 9027.85 673.84 157.38 673.82 691.99 346.78 0.22 9.178 0.60 2563.00 9079.84 673.55 158.28 673.53 691.90 346.78 0.22 9.178 0.60 2563.00 9079.84 673.55 158.28 673.53 691.90 346.78 0.22 9.319 2.20 2.50 9227.14 683.56 158.28 673.53 691.90 346.77 12.40 9.319 2.20 2.50 9227.14 683.56 158.24 673.55 686.82 71.20 346.91 13.19 9.340 2.20 9.340 9.		Degrees	Degrees	Feet	Feet	Feet	Vert Sec	Distance	Azm	
8884         0.30         34380         8838.85         673.67         673.67         673.65         691.77         346.87         1.74           8 977         0.40         252.70         9027.86         673.84         -157.38         673.85         691.87         346.85         0.41           9 977         0.40         252.70         9027.86         673.65         -691.98         346.81         0.22           9 178         0.60         252.30         9079.84         673.55         -652.28         673.65         691.92         346.81         0.29           9 178         0.60         255.0         991.76         676.14         -158.92         673.55         692.06         346.73         0.70           9 222         6.00         2.50         9913.34         673.51         176.91         -158.92         714.66         347.18         18.20           9 365         2.72.0         38.40         931.51         715.91         -158.59         715.89         347.86         347.18         18.20           9 365         40.50         6.00         9471.22         889.65         -188.52         779.88         346.29         71.12           9 365         33.50         382.40			231.80	8745.86	674.20	-156.13	674.17	692.04	346.96	
8978         0.20         245,80         893,88         677,84         -157,38         673,82         691,82         346,85         0.41           9072         0.40         252,70         9027,86         673,56         -157,36         691,82         346,81         0.22           9,124         0.60         291,90         913,38         673,55         -158,22         673,53         691,20         346,78         0.39           9,178         0.60         291,90         913,38         673,55         -158,82         673,53         691,20         346,77         12,0           9,277         12,20         25.0         9227,14         693,56         -158,62         693,53         701,72         346,94         13,19           9,349         27,20         386,40         9315,10         715,91         -188,93         763,32         770,72         346,94         13,19           9,349         48,40         4,60         940,16         884,71         -148,83         968,83         773,33         347,48         13,49           9,743         52,20         0.010         966,314         1094,22         -144,83         985,83         768,32         779,58         346,93         346,93			343.80	8839.85	673.67	-157.17	673.65	691.77	346.87	
9,072 0.40 252.70 9027.85 673.68 691.92 346.81 0.22 91.74 0.60 255.30 9079.84 673.59 673.55 691.92 346.81 0.22 91.78 0.60 291.90 9133.84 673.59 -158.82 673.55 691.92 346.78 0.39 91.78 0.60 291.90 9133.84 673.59 -158.82 673.55 691.90 346.78 0.39 92.72 12.00 2.50 9180.75 673.49 675.14 684.57 346.77 12.40 92.72 12.00 2.50 9227.17 683.55 -158.52 683.53 701.72 346.94 131.99 93.66 27.20 359.00 9272.17 686.85 -158.54 683.53 701.72 346.94 131.99 93.66 27.20 359.40 9375.10 715.91 -158.59 773.35 347.48 13.84 93.60 33.50 30.0 3986.19 763.35 -158.23 763.32 779.58 348.29 3.743 52.20 0.20 9801.45 955.44 40.50 6.00 9471.22 819.69 1455.68 819.66 833.97 349.38 7.60 9.844 67.70 9873.48 1094.25 1094.25 1094.32 366.27 351.38 7.12 99.78 80.60 1.80 9899.10 1166.82 -144.83 955.83 966.77 351.38 7.12 99.78 80.60 1.80 9899.10 1166.82 -144.81 1166.80 1175.65 32.20 9.00.87 80.70 9713.62 1449.01 -133.87 1448.99 1455.18 354.72 3.02 100.28 87.60 1.20 9717.76 1355.90 -1365.00 1355.06 1355.06 1355.06 1355.00 1350.90 9717.76 153.50 -138.50 1355.06 1355.06 1355.00 355.10 0.77 10.527 90.50 352.70 9716.67 2014.64 -127.12 200.68 1944.91 13.90 90.70 358.40 9717.20 2701.46 -127.12 200.68 1944.91 13.90 90.70 358.40 9717.20 2701.46 -127.12 200.68 1944.91 356.29 356.40 355.40 355.40 11.00 9717.76 1535.70 -128.51 135.74 135.95 355.76 3.38 154.50 11.00 9717.76 153.77 163.77 163.77 163.77 163.77 163.77 163.20 355.40 3			245.60	8933.85	673.84	-157.38	673.82	691.98	346.85	
9,124 0.60 255.30 9079.84 673.55 -158.28 673.53 691.90 346.78 0.39 9178 0.60 291.90 9133.84 673.55 -158.28 673.55 692.00 346.73 0.79 92275 6.00 25.90 9180.75 676.14 -158.94 676.11 694.57 346.94 13.19 9272 12.20 2.50 9227.14 683.56 -158.62 683.53 701.72 346.94 13.19 93.96 20.70 389.00 9272.17 6868.5 -158.62 6868.22 714.66 347.18 18.20 93.96 272.00 338.40 9315.10 715.91 -158.89 715.89 715.89 713.39 347.48 13.24 93.66 27.20 338.40 9315.10 715.91 -158.89 715.89 715.89 347.48 13.24 93.64 40.50 64.00 934.11.20 884.71 -147.69 884.69 883.57 733.36 347.48 13.84 93.64 40.50 0.10 9653.44 10.02 961.45 955.84 14.62 10.03.23 96.99 3653.44 10.02 961.45 955.84 10.02 96.00 96.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 96.00 11.00 970.78 17.00 12.00 9708.78 12.00 9708.78 12.00 12.00 9708.78 12.00			252.70	9027.85	673.68	-157.85	673.65	691.92	346.81	
9,178 0.60 291.90 913.34 673.59 -158.42 673.56 692.00 346.73 0.70 9225 6.00 2.50 9180.75 676.14 -158.42 676.11 694.57 346.74 12.40 92.72 12.20 2.50 9227.17 683.56 -158.62 683.53 701.72 346.94 13.19 93.91 20.70 389.00 9277.17 686.85 -158.62 683.53 701.72 346.94 13.19 93.93 20.70 389.00 9372.17 686.85 -158.64 683.53 701.72 346.94 13.19 93.93 272.00 3.00 9396.19 763.35 -158.23 763.32 779.58 347.48 138.44 9.460 33.50 30.00 9396.19 763.35 -158.23 763.32 779.58 348.29 7.14 9.460 9.471.22 819.65 819.66 833.97 349.38 7.29 9.649 46.40 4.60 94.71.22 819.65 819.66 819.66 833.97 349.38 7.29 9.844 67.70 389.40 9673.48 1076.50 -144.62 1076.57 1094.20 9673.48 1076.50 -144.62 1076.57 1094.20 9578.70 2.20 9760.76 1261.21 -140.51 1261.81 1269.01 353.64 7.49 10.56 87.40 1.20 9717.76 1543.91 -136.50 1355.60 1361.95 354.22 1.89 10.54 90.70 9717.66 1355.00 -136.50 1355.60 1361.95 354.22 1.89 10.53 93.10 9.72.27 1625.76 -128.28 1723.74 1830.26 355.30 9.57.70 10.450 9.712.00 9717.76 1543.91 -132.46 137.77 1642.96 355.40 0.67 10.627 99.50 354.70 9717.00 1637.50 -132.46 1373.74 1637.77 1642.96 355.40 0.67 11.204 87.50 352.00 9717.50 2109.46 -132.50 1265.74 1830.26 355.30 0.67 11.204 87.50 352.00 9731.26 2205.79 -143.91 1200.84 2713.62 356.30 3.91 13.94 1			255.30	9079.84	673.55	-158.28	673.53	691.90	346.78	
9,225 6,00 2,50 9180,75 676,14 -158,94 676,11 694,57 346,77 12,40 9,272 12,20 2,50 9227,14 683,53 701,72 346,94 13,19 9,319 20,70 359,00 9272,17 686,85 -158,54 696,82 714,66 347,18 18,20 9,366 27,20 359,00 9272,17 686,85 -158,99 715,89 714,86 347,18 18,20 9,366 27,20 358,40 9315,10 715,91 -158,99 715,89 715,89 713,36 347,48 13,19 9,366 27,20 358,40 9471,22 819,69 -158,89 763,32 773,36 347,28 13,84 9,460 33,50 0,00 9471,22 819,69 -158,89 763,32 773,36 347,28 13,84 9,460 33,50 0,010 9653,14 1034,26 -144,82 1034,23 1044,32 35,24 9,38 9,844 67,70 359,40 966,14 965,34 1076,60 -144,82 1034,23 1044,32 35,24 9,38 10,67 8,67 10,67 8,67 10,67 970,87 81,70 2,20 9708,78 1261,21 -140,51 1261,80 1175,65 352,97 13,94 10,67 89,40 1,20 9713,62 144,90 113,50 1355,00 1361,80 9721,70 10,54 90,70 0,10 9722,77 185,76 1543,91 -132,46 1543,88 194,58 355,10 0,77 10,22 89,10 0,10 9722,73 1731,76 1543,91 -132,46 1543,89 1549,89 355,10 0,77 10,22 89,10 354,70 9719,62 1920,70 -127,12 1920,68 1924,91 356,21 3,40 11,006 88,50 352,90 9719,62 2001,46 -132,59 2001,46 2001,46 200,70 359,40 9719,67 2001,46 132,59 2001,46 2001,46 2001,46 2001,46 200,70 359,40 9713,62 2001,46 132,59 2001,46 20			291.90	9133.84	673.59	-158.82	673.56	692.06	346.73	
9,272 12,20 2,50 927,14 683.56 -158.62 63.53 701,72 346,94 13.19 9,369 20,70 359,00 9272,17 683.56 -158.64 696.82 714,66 347.18 18.20 9,369 27,20 358,40 9315,10 715,91 -158.99 715,89 733.36 347,48 13.84 9,460 33.50 3.00 9396,19 763.35 -158.23 763.32 779,58 348.29 7.14 9,460 33.50 3.00 9396,19 763.35 -158.23 763.32 779,58 348.29 7.14 9,460 33.50 0,40 9471,22 89,61			2.50	9180.75	676.14	-158.94	676.11	694.57	346.77	
9,319 20,70 359,00 2272,17 696,85 -158,54 696,82 714,66 347,18 18,20 9,366 27,20 358,40 9315,10 715,91 -158,99 715,89 733,36 347,48 13,20 9,366 27,20 358,40 9315,10 763,35 -158,23 763,32 779,58 348,29 7,14 9,554 40,50 6,00 9471,22 819,69 -153,86 819,66 833,97 349,38 7,59 9,743 52,20 0,20 9601,45 955,86 -144,83 95,84 67,70 359,40 9673,48 1004,26 -144,82 1074,59 984,49 10,073 87,70 2,20 9708,78 1261,21 -140,51 1261,18 1269,01 355,40 120,20 9713,66 1261,21 -140,51 1261,18 1269,01 355,40 971,16 136,82 110,48 110			2.50	9227.14	683.56	-158.62	683.53	701.72	346.94	
9,366 27.20 358.40 9315.10 715.91 -158.99 715.89 733.36 347.48 13.94 9,460 33.50 3.00 3996.19 763.52 763.32 779.58 348.29 7.14 9,554 40.50 6.00 9471.22 819.69 -153.68 819.66 833.97 349.38 7.69 9,649 46.40 4.60 9540.16 884.71 -147.69 884.69 896.95 350.52 6.29 9,743 52.20 0.20 9601.45 955.48 1076.50 -144.83 965.3 396.77 351.38 7.12 9,978 80.60 1.80 9699.10 1166.82 -144.82 1076.57 1086.29 352.34 14.32 9,978 80.60 1.80 9699.10 1166.82 -143.81 1166.80 1175.65 352.97 13.94 10.073 87.70 2.20 97078.76 1261.18 1261.18 1269.01 353.64 7.49 10.261 87.60 0.50 9717.76 1355.09 -136.50 1365.06 1361.95 354.25 1.89 10.261 87.60 0.30 9722.33 1731.76 -132.45 1261.18 1269.01 353.64 7.49 10.638 90.10 0.10 9722.77 1533.91 -132.45 1261.18 1269.01 353.64 7.20 10.638 90.10 0.10 9722.77 1533.91 -132.45 1261.18 1262.01 355.06 0.77 10.650 87.40 0.10 9722.77 1533.91 -132.45 1261.18 1262.01 355.46 0.60 10.632 971.36 1731.76 1253.91 -132.45 1261.18 1262.01 355.46 0.60 10.632 971.62 1261.18 1262.01 355.00 1.00 170.62 1261.18 1262.01 355.00 0.77 10.62 1261.18 1262.01 355.00 1.00 170.62 1261.18 1262.01 355.46 0.60 10.632 971.62 1262.03 1731.76 1263.77 1642.96 355.10 0.77 10.632 971.00 1263.01 1731.76 1263.77 1642.96 355.40 0.60 10.62 971.62 1262.03 1731.76 1263.77 1622.03 355.40 0.60 10.62 971.22 1262.03 1731.76 1263.77 1262.03 355.40 0.60 10.62 971.62 1262.03 12			359.00	9272.17	696.85	-158.54	696.82	714.66	347.18	
9,460 33.50 3.00 9396.19 763.35 763.32 779.58 348.29 7.14 9,554 40.50 6.00 9471.22 9.9459 9,544 40.50 6.00 9471.22 9.9471.27 9.943 52.20 0.20 9601.45 955.86 -144.83 955.83 966.77 351.38 7.12 9,837 61.00 0.10 9663.14 1034.26 -144.62 1034.23 1044.32 9,837 81.00 0.10 9663.14 1034.26 -144.83 955.83 966.77 351.38 7.12 9,978 80.60 1.80 9989.10 1166.80 -144.82 1076.57 1086.29 352.34 14.32 9,978 80.60 1.80 9989.10 1166.80 -144.82 1076.57 1086.29 352.34 14.32 9,978 80.60 1.80 9989.10 1166.80 -144.81 1066.80 1175.65 32.29 13.94 10.261 87.60 0.50 9713.62 1355.09 -138.50 1355.06 136.95 354.25 1.89 10.261 87.60 1.60 9721.70 1637.80 -133.81 1166.80 1355.06 136.95 354.25 1.89 10.540 87.80 1.60 9721.70 1637.80 -133.81 143.89 1455.96 1355.96 136.95 354.25 1.89 10.540 87.80 1.60 9721.70 1637.80 -133.87 144.89 1455.96 355.46 0.60 10.540 9721.30 9722.33 1731.76 128.61 1731.74 1736.53 355.46 0.60 10.52 9.978.39 9722.33 1731.76 128.61 1731.74 1736.53 355.46 0.60 10.622 93.10 1.30 9722.37 1731.76 128.61 1731.74 1736.53 355.46 0.60 10.622 93.10 1.30 9722.27 120.70 123.80 125.74 123.26 355.46 0.60 10.622 93.10 1.30 9719.52 120.70 127.12 120.08 120.76 120.77 120.88 120.77 120.88 120.77 120.88 120.77 120.88 120.77 120.88 120.77 120.88 120.77 120.88 120.77 120.98 120.70 120.88 120.77 120.88 120.78 120.78 120.79			358.40	9315.10	715.91	-158.99	715.89	733.36	347.48	
9,554 40,50 6,00 9471,22 819.69 -153.68 819.66 833.97 349.38 7,69 9,649 46,40 4,60 954,01,6 884,71 -147,69 9,437 52.0 0,20 9601,45 955.86 -144.83 955.83 966.77 351.38 7,12 9,837 61,00 0,10 9653.14 1034,26 -144.62 1034,23 1044,32 352.04 9,36 9,884 67,70 359.40 9673.48 1076,60 -144.82 1076,57 1086,29 352.34 14.32 9,978 80,60 1,80 9699.10 1166,82 -144.81 1166,80 1175,65 352.37 13.94 10,073 87,70 2,20 9708.78 1256,12 -140,51 1261,18 1269,01 353.64 7,49 10,261 87,60 0,50 9713,62 1149,01 -133.87 148.99 1126,18 354.72 3.02 10,544 90,70 0,30 9722,93 1731,76 1543.91 -132.61 1355.06 1361,95 355.46 0,60 10,544 90,70 0,30 9722,93 1731,76 -128.61 1731,74 1736,53 355.76 0,77 10,827 90,50 352.00 9719,62 1920,70 -127,12 1920,68 1924,91 356,21 3,30 11,204 87,50 352,00 9717,00 2109,46 -132.59 2109,44 2113,62 356,40 4,66 11,209 90,70 359,50 9715,52 2295,80 -155,64 238.94 2294,78 356,01 2,25 11,89 90,70 359,50 9731,26 2388,97 -166,66 2388,94 2394,78 356,01 2,25 11,88 88,40 3,10 9731,26 2388,97 -166,66 2388,94 2394,78 356,07 1,06 11,582 93,40 4,50 9732,57 2766,30 877,66 2583,32 3770,89 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,66 2583,32 2770,89 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,66 268,77 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,66 2766,30 2770,89 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,51 11,582 93,40 4,50 9732,57 2766,30 877,69 356,70 4,			3.00	9396.19	763.35	-158.23	763.32	779.58	348.29	
9,649 46,40 460 9540,16 884,71 -147,69 884,69 896,95 350,52 6,29 9,743 52,20 0,20 9601,45 955,86 -144,83 955,83 966,77 351,38 7,12 9,837 61,00 0,10 9653,14 1034,26 -144,82 1034,23 1044,32 352,04 9,878 9,884 67,70 359,40 967,348 1076,60 -144,82 1076,57 1086,29 352,34 14,32 9,978 80,60 1,80 969,910 1166,82 -143,81 1166,80 1175,65 352,97 13,94 10,073 87,70 2,20 9713,67 1261,21 -140,51 1261,18 1261,18 1261,18 10,261 87,60 0,50 9713,62 1449,01 -133,87 1448,99 1455,18 354,72 3,02 10,366 87,40 1,20 9717,76 1543,91 -132,46 1543,88 1549,58 355,10 0,77 10,450 87,80 1,50 9721,70 1637,80 -130,77 1642,96 355,46 0,60 10,638 90,10 0,10 9722,77 1825,76 -128,61 1731,74 1736,53 355,76 0,60 11,082 99,10 354,70 9716,67 2014,64 -127,12 1920,68 1924,91 365,21 3,40 11,204 87,50 352,00 9715,62 2295,80 -132,64 2295,78 230,77 356,12 239,47 11,393 91,10 2,80 9731,26 2398,97 -165,66 2388,94 2394,78 356,10 2,25 11,382 93,40 4,50 9731,26 2388,97 -166,66 2388,94 2394,78 356,07 1,65 11,882 93,40 4,50 9732,57 2766,30 8672,53 2677,68 356,70 4,51 11,882 93,40 4,50 9728,57 2766,30 867,0 4,51			6.00	9471.22	819.69	-153.68	819.66	833.97	349.38	
9,743 52.20 0.20 9601.45 955.86 -144.83 955.83 966.77 351.38 7.12 9,837 61.00 0.10 9655.14 1076.60 144.82 1034.23 352.04 10.36 9,837 80.60 1.80 9699.10 1166.82 1076.57 1086.29 352.34 14.32 9,978 80.60 1.80 9699.10 1166.82 -143.81 1166.80 1175.65 352.97 13.94 10,073 87.70 2.20 9708.78 1261.21 -140.51 1261.18 1269.01 353.64 7.49 10,256 87.40 1.20 9711.76 1545.99 -135.509 1355.06 1361.95 354.72 3.02 10,261 87.60 0.50 9713.62 1449.01 -133.87 1448.99 1455.18 354.72 3.02 10,264 90,70 0.30 9722.73 1637.80 -130.17 1637.77 1645.18 354.12 10,238 90.10 0.10 9722.73 1825.76 -128.28 1543.88 1549.98 355.10 0.77 10,273 93.10 13.0 9719.62 1920.70 -127.12 1920.68 1920.49 355.05 352.94 34.0 11,209 90.70 354.70 9717.00 2109.46 -127.12 2014.62 2014.62 356.30 3.91 11,209 90.70 359.50 9731.26 2295.80 -155.64 2295.78 2391.07 356.10 2.25 11,299 90.70 359.50 9731.26 2288.97 -166.66 2388.94 2394.78 356.01 2.25 11,582 93.40 4.50 9738.57 2766.30 8-73.37 2766.28 2770.89 356.70 4.51			4.60	9540.16	884.71	-147.69	884.69	896.95	350.52	
9,837 61,00 0.10 9653.14 1034.26 -144.62 1076.50 1034.23 1044.32 352.04 9,38 9,884 67.70 359.40 9699.10 1166.60 -144.82 1076.57 1086.29 352.34 14.32 9,978 80.60 1.80 9699.10 1166.82 -143.81 1166.80 1175.65 352.97 13.94 10,073 87.70 2.20 9708.78 1261.21 -140.51 1261.18 1269.01 353.64 7.49 10,261 87.60 0.50 9713.62 1449.01 -133.65 1355.06 1361.95 354.25 1.89 10,261 87.60 1.60 9721.70 1637.80 -133.87 1448.99 1455.18 354.72 3.02 10,450 87.80 1.60 9721.70 1637.80 -130.17 1543.94 1455.18 354.72 3.02 10,543 90.70 0.30 9722.93 1731.76 -128.61 1731.74 1736.53 355.76 0.67 10,633 90.10 0.10 9722.27 1825.76 -128.28 1825.74 1830.26 355.96 0.67 10,633 93.10 1.30 9719.62 1920.70 -127.12 1920.68 1924.91 356.21 3.40 10,622 89.10 354.70 9716.67 2014.64 -127.12 2014.62 2014.62 2018.65 363.99 3.91 11,101 85.50 352.90 9735.52 2295.80 -155.64 2295.78 2301.07 356.12 2.29 11,1204 87.50 353.60 9731.26 2388.97 -165.60 2388.94 2394.78 356.01 2.25 11,488 89.40 3.10 9730.86 2677.56 -165.60 2677.56 2577.69 356.70 4.51			0.20	9601.45	955.86	-144.83	955.83	966.77	351.38	
9,884         67.70         359.40         9673.48         1076.60         -144.82         1076.57         1086.29         352.34         14.32           9,978         80.60         1.80         9699.10         1166.82         -143.81         1166.80         1175.65         352.97         71.394           10,073         87.70         2.70         9711.16         1355.09         -143.81         1166.80         1175.65         352.97         71.394           10,167         89.40         2.70         9711.16         1355.09         -136.50         1355.06         1361.95         354.25         1.89           10,261         87.60         0.50         9713.62         1449.01         -133.87         1448.99         1455.18         354.72         3.02           10,356         87.40         1.20         9717.76         1543.91         -132.46         1543.88         1549.58         355.10         0.77           10,544         90.70         0.30         9722.27         1825.76         -128.61         1731.74         1736.53         355.46         0.60           10,827         90.50         358.70         9716.67         2014.64         -127.12         1920.68         1924.91         355.16 <td></td> <td></td> <td>0.10</td> <td>9653.14</td> <td>1034.26</td> <td>-144.62</td> <td>1034.23</td> <td>1044.32</td> <td>352.04</td> <td></td>			0.10	9653.14	1034.26	-144.62	1034.23	1044.32	352.04	
9,978 80.60 1.80 9699.10 1166.82 -143.81 1166.80 1175.65 352.97 13.94 10.073 87.70 2.20 9708.78 1261.21 -140.51 1261.18 1269.01 353.64 7.49 10.261 87.60 2.70 9713.62 1449.01 -133.87 1448.99 1455.18 354.72 3.02 10.356 87.40 1.20 9717.76 1543.91 -132.46 1543.88 1549.58 355.10 0.77 10.544 90.70 0.30 9722.93 1731.76 -128.61 1731.74 1736.53 355.75 3.38 10.533 93.10 1.30 9719.62 1920.70 -127.12 1920.68 1920.70 2109.46 11,016 87.50 352.00 9719.79 2202.79 11,016 87.50 352.00 9731.26 2388.97 -156.64 2295.78 2301.07 358.00 9731.26 2388.97 -156.64 2295.78 2301.07 356.12 2.29 11,393 91.10 359.00 9731.26 2388.97 -156.60 2673.53 2677.69 356.70 4.51 182 183.40 4.50 9728.57 2766.28 2770.89 356.70 4.51			359.40	9673.48	1076.60	-144.82	1076.57	1086.29	352.34	
10,073         87,70         2,20         9708,78         1261.21         -140.51         1261.18         1269.01         353.64         7,49           10,167         89,40         2,70         9711.16         1355.09         -136.50         1355.06         1351.95         354.25         1,89           10,261         87,60         0.50         9713.62         1448.91         -133.87         1448.99         1455.18         354.25         1,89           10,356         87,40         1.20         9717.76         1543.91         -132.46         1543.88         1549.58         355.10         0.77           10,450         87,80         1.60         9721.77         1637.80         -130.17         1637.77         1642.96         355.10         0.77           10,544         90,70         0.30         9722.93         1731.76         -128.61         1731.74         1736.53         355.16         0.60           10,538         90,10         0.10         9722.27         1825.76         -128.28         1825.74         1736.53         355.75         3.38           10,632         93.10         1.30         9716.67         2014.64         -127.12         1920.68         1924.91         356.21			1.80	9699.10	1166.82	-143.81	1166.80	1175.65	352.97	
10,167     89.40     2.70     9711.16     1355.09     -136.50     135.06     1361.95     354.25     1.89       10,261     87.60     0.50     9713.62     1449.01     -133.87     1448.99     145.18     354.72     3.02       10,356     87.40     1.20     9717.76     1543.91     -132.46     1543.88     154.58     355.46     0.60       10,450     87.80     1.60     9721.70     1637.80     -130.17     1637.77     1642.96     355.46     0.60       10,544     90.70     0.30     9722.93     1731.76     -128.61     1731.74     1736.53     355.75     3.38       10,638     90.10     0.10     9722.27     1825.76     -128.28     1825.74     1736.53     355.98     0.67       10,733     93.10     1.30     9719.62     1920.70     -127.12     1920.68     1924.91     356.21     3.40       10,922     89.10     354.70     9716.67     2014.64     -127.12     2014.62     2018.65     356.39     3.91       11,106     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.28     3.25       11,204     87.50     352.60     9731.26     2295.80			2.20	9708.78	1261.21	-140.51	1261.18	1269.01	353.64	
10,261     87,60     0.50     9713.62     1449.01     -133.87     1448.99     1455.18     354.72     3.02       10,356     87,40     1.20     9717.76     1543.91     -132.46     1543.88     1549.58     355.10     0.77       10,450     87.80     1.60     9721.70     1637.80     -130.17     1637.77     1642.96     355.46     0.60       10,544     90.70     0.30     9722.93     1731.76     -128.61     1731.74     1736.53     355.75     3.38       10,638     90.10     0.10     9722.27     1825.76     -128.28     1825.74     1830.26     355.98     0.67       10,733     93.10     1.30     9716.62     1920.70     -127.12     1920.68     1924.91     356.21     3.40       10,922     89.10     354.70     9716.67     2014.64     -127.12     2014.62<			2.70	9711.16	1355.09	-136.50	1355.06	1361.95	354.25	
10,356     87.40     1.20     9717.76     1543.91     -132.46     1543.88     1549.58     355.10     0.77       10,450     87.80     1.60     9721.70     1637.80     -130.17     1637.77     1642.96     355.46     0.60       10,544     90.70     0.30     9722.93     1731.76     -128.61     1731.74     1736.53     355.75     3.38       10,638     90.10     0.10     9722.27     1825.76     -128.28     1825.74     1830.26     355.98     0.67       10,733     93.10     1.30     9719.62     1920.70     -127.12     1920.68     1924.91     356.21     340       10,927     95.50     358.70     9716.67     2014.64     -127.12     2014.62     2018.65     356.39     3.91       11,016     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.40     4.46       11,204     87.50     353.80     9731.26     2388.97     -165.64     2295.78     2301.07     356.12     2.29       11,488     89.40     3.10     9731.28     2577.69     -170.49     2577.69     2583.32     2577.69     356.70     4.51       11,582     93.40     4.50     9728.57 <td></td> <td></td> <td>0.50</td> <td>9713.62</td> <td>1449.01</td> <td>-133.87</td> <td>1448.99</td> <td>1455.18</td> <td>354.72</td> <td></td>			0.50	9713.62	1449.01	-133.87	1448.99	1455.18	354.72	
10,450     87.80     1.60     9721.70     1637.80     -130.17     1637.77     1642.96     355.46     0.60       10,544     90.70     0.30     9722.93     1731.76     -128.61     1731.74     1736.53     355.75     3.38       10,638     90.10     0.10     9722.27     1825.76     -128.28     1825.74     1830.26     355.98     0.67       10,733     93.10     1.30     9716.67     2014.64     -127.12     1920.68     1924.91     356.21     3.40       10,827     90.50     358.70     9716.67     2014.64     -127.12     2014.62     2018.65     356.39     3.91       10,922     89.10     354.70     9717.00     2109.46     -127.12     2014.62     2018.65     356.39     3.91       11,110     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.28     3.25       11,204     87.50     353.60     9731.26     2295.80     -155.64     2295.78     2301.07     356.12     2.29       11,393     91.10     2.80     9732.76     238.97     -166.66     238.94     2394.78     356.03     7.06       11,488     89.40     3.10     9730.86     2672.56 <td></td> <td></td> <td>1.20</td> <td>9717.76</td> <td>1543.91</td> <td>-132.46</td> <td>1543.88</td> <td>1549.58</td> <td>355.10</td> <td></td>			1.20	9717.76	1543.91	-132.46	1543.88	1549.58	355.10	
10,544     90,70     0.30     9722.93     1731.76     -128.61     1731.74     1736.53     355.75     3.38       10,638     90,10     0.10     9722.27     1825.76     -128.28     1825.74     1830.26     355.98     0.67       10,733     93.10     1.30     9719.62     1920.70     -127.12     1920.68     1924.91     356.21     3.40       10,827     90.50     358.70     9716.67     2014.64     -127.12     2014.62     2018.65     356.39     3.91       10,922     89.10     354.70     9717.00     2109.46     -132.59     2109.44     2113.62     356.40     4.46       11,110     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.28     3.25       11,204     87.50     353.60     9731.26     2295.80     -155.64     2295.78     2301.07     356.12     2.29       11,299     90.70     359.50     9731.26     2388.97     -166.66     2388.94     2394.78     356.03     7.06       11,488     89.40     3.10     9730.86     2672.56     -165.60     2672.53     2677.69     356.70     4.51       11,582     93.40     4.50     9728.57     2766.3			1.60	9721.70	1637.80	-130.17	1637.77	1642.96	355.46	
10,638     90.10     0.10     9722.27     1825.76     -128.28     1825.74     1830.26     355.98     0.67       10,733     93.10     1.30     9719.62     1920.70     -127.12     1920.68     1924.91     356.21     3.40       10,827     90.50     358.70     9716.67     2014.64     -127.12     2014.62     2018.65     356.39     3.91       10,922     89.10     354.70     9717.00     2109.46     -132.59     2109.44     2113.62     356.40     4.46       11,016     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.28     3.25       11,204     87.50     353.60     9731.26     2388.97     -166.66     2388.94     2394.78     356.01     2.29       11,393     91.10     2.80     9731.28     2577.69     -170.49     2577.66     2583.32     356.22     354       11,582     93.40     4.50     9730.86     2672.56     -165.60     2672.53     266.28     2770.89     356.70     4.51			0.30	9722.93	1731.76	-128.61	1731.74	1736.53	355.75	
10,733     93.10     1.30     9719.62     1920.70     -127.12     1920.68     1924.91     356.21     3.40       10,827     90.50     358.70     9716.67     2014.64     -127.12     2014.62     2018.65     356.39     3.91       10,922     89.10     354.70     9717.00     2109.46     -132.59     2109.44     2113.62     356.40     4.46       11,016     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.28     3.25       11,104     85.50     352.90     9725.52     2295.80     -155.64     2295.78     2301.07     356.12     2.29       11,204     87.50     353.60     9731.26     2388.97     -166.66     2388.94     2394.78     356.01     2.25       11,393     91.10     2.80     9731.28     2577.69     -170.49     2577.66     2583.32     356.22     3.54       11,488     89.40     3.10     9730.86     2672.56     -165.60     2672.53     2677.69     356.70     4.51       11,582     93.40     4.50     9728.57     2766.30     -159.37     2766.28     2770.89     356.70     4.51			0.10	9722.27	1825.76	-128.28	1825.74	1830.26	355.98	
10,827       90.50       358.70       9716.67       2014.64       -127.12       2014.62       2018.65       356.39       3.91         10,922       89.10       354.70       9717.00       2109.46       -132.59       2109.44       2113.62       356.40       4.46         11,016       87.50       352.10       9719.79       2202.79       -143.39       2202.76       2207.45       356.28       3.25         11,110       85.50       352.90       9725.52       2295.80       -155.64       2295.78       2301.07       356.12       2.29         11,204       87.50       353.60       9731.26       2388.97       -166.66       2388.94       2394.78       356.01       2.25         11,393       91.10       2.80       9731.28       2577.69       -170.49       2577.66       2583.32       356.22       3.54         11,488       89.40       3.10       9730.86       2672.56       -165.60       2672.53       2677.69       356.70       4.51         11,582       93.40       4.50       9728.57       2766.30       80.20       -159.37       2766.28       2770.89       356.70       4.51			1.30	9719.62	1920.70	-127.12	1920.68	1924.91	356.21	
10,922       89,10       354,70       9717,00       2109,46       -132.59       2109,44       2113.62       356.40       4.46         11,016       87,50       352,10       9719,79       2202.79       -143.39       2202.76       2207,45       356.28       3.25         11,110       85,50       352,90       9725,52       2295.80       -155.64       2295,78       2301.07       356.12       2.29         11,204       87,50       353.60       9731,26       2388.97       -166.66       2388.94       2394,78       356.01       2.25         11,299       90,70       359,50       9731,28       2577.69       -172.37       2483,70       2489,71       356.03       7.06         11,393       91,10       2.80       9731,28       2577.69       -170.49       2577.66       2583.32       356.22       3.54         11,488       89,40       3.10       9730.86       2672.56       -165.60       2672.53       2677.69       356.70       4.51         11,582       93,40       4.50       9728.57       2766.30       80,20       -159.37       2766.28       2770.89       356.70       4.51			358.70	9716.67	2014.64	-127.12	2014.62	2018.65	356.39	
11,016     87.50     352.10     9719.79     2202.79     -143.39     2202.76     2207.45     356.28     3.25       11,110     85.50     352.90     9725.52     2295.80     -155.64     2295.78     2301.07     356.12     2.29       11,204     87.50     353.60     9731.26     2388.97     -166.66     2388.94     2394.78     356.01     2.25       11,299     90.70     359.50     9732.76     2483.73     -172.37     2483.70     2489.71     356.03     7.06       11,393     91.10     2.80     9731.28     2577.69     -170.49     2577.66     2583.32     356.22     3.54       11,488     89.40     3.10     9730.86     2672.56     -165.60     2672.53     2677.69     356.45     1.82       11,582     93.40     4.50     9728.57     2766.30     50.22     -159.37     2766.28     2770.89     356.70     4.51			354.70	9717.00	2109.46	-132.59	2109.44	2113.62	356.40	
11,110     85.50     352.90     9725.52     2295.80     -155.64     2295.78     2301.07     356.12     2.29       11,204     87.50     353.60     9731.26     2388.97     -166.66     2388.94     2394.78     356.01     2.25       11,299     90.70     359.50     9732.76     2483.73     -172.37     2483.70     2489.71     356.03     7.06       11,393     91.10     2.80     9731.28     2577.69     -170.49     2577.66     2583.32     356.22     3.54       11,488     89.40     3.10     9730.86     2672.56     -165.60     2672.53     2677.69     356.45     1.82       11,582     93.40     4.50     9728.57     2766.30     50.20     -159.37     2766.28     2770.89     356.70     4.51			352.10	9719.79	2202.79	-143.39	2202.76	2207.45	356.28	
11,204     87,50     353,60     9731,26     2388,97     -166,66     2388,94     2394,78     356,01     2.25       11,299     90,70     359,50     9732,76     2483,73     -172,37     2483,70     2489,71     356,03     7.06       11,393     91,10     2.80     9731,28     2577,69     -170,49     2577,66     2583,32     356,22     3.54       11,488     89,40     3.10     9730,86     2672,56     -165,60     2672,53     2677,69     356,45     1.82       11,582     93,40     4.50     9728,57     2766,30     2766,30     2766,28     2770,89     356,70     4.51			352.90	9725.52	2295.80	-155.64	2295.78	2301.07	356.12	
11,299       90.70       359.50       9732.76       2483.73       -172.37       2483.70       2489.71       356.03       7.06         11,393       91.10       2.80       9731.28       2577.69       -170.49       2577.66       2583.32       356.22       3.54         11,488       89.40       3.10       9730.86       2672.56       -165.60       2672.53       2677.69       356.45       1.82         11,582       93.40       4.50       9728.57       2766.30       972.5       -159.37       2766.28       2770.89       356.70       4.51			353.60	9731.26	2388.97	-166.66	2388.94	2394.78	356.01	
11,393 91.10 2.80 9731.28 2577.69 -170.49 2577.66 2583.32 356.22 3.54 11,488 89.40 3.10 9730.86 2672.56 -165.60 2672.53 2677.69 356.45 1.82 11,582 93.40 4.50 9728.57 2766.30 555.2 -159.37 2766.28 2770.89 356.70 4.51			359.50	9732.76	2483.73	-172.37	2483.70	2489.71	356.03	
11,488 89.40 3.10 9730.86 2672.56 -165.60 2672.53 2677.69 356.45 1.82 11,582 93.40 4.50 9728.57 2766.30 555.3 2672.53 2770.89 356.70 4.51			2.80	9731.28	2577.69	-170.49	2577.66	2583.32	356.22	
11.582 93.40 4.50 9728.57 2766.30 p. 2-159.37 2766.28 2770.89 356.70 4.51			3.10	9730.86	2672.56	-165.60	2672.53	2677.69	356.45	1.82 -
The state of the s			4.50	9728.57			2766.28	2770.89	356.70	

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Company:		Matador Pro	Matador Production Company	any							
l ocation:		Eddy County NM	MN #20417								
Rig:		Patterson #282	82			Magnetic Declination:	-	6.82 REFERENCED TO GRID NORTH	GRID NORTH	4	-
Job Number:		MSMO-73000									
API#:		30-015-46449						90			
Vertical	Vertical Section Azimuth:	th:	0.	0.01		Proposed Direction:		0.01			
Survey C	Survey Calculation Method:	thod:	N	Minimum Curvature	ture						
;	MD		-	INC	MZA	TVD	N/S	_	EW	VS	5 78
7 0	20,198	ŏ	91	91.50	5.50	9740.19	11370.78	-14	-142.92	11370.75	.75
	Depth	Inc	Azm	TVD	N/S	EW	Surface	Clo	Closure	DLS/	BUR/
#	Feet	Degrees	Degrees	Feet	Feet	Feet	Vert Sec	Distance	Azm	100	100'
68	11,676	89.40	0.30	9726.27	2860.15	-155.44	2860.13	2864.37	356.89	6.17	-4.26
69	11,770	91.60	359.60	9725.45	2954.14	-155.52	2954.12	2958.23	356.99	2.46	2.34
70	11,865	92.70	359.30	9721.89	3049.07	-156.44	3049.04	3053.08	357.06	1.20	1.16
71	11,959	89.60	359.40	9720.00	3143.03	-157.50	3143.01	3146.98	357.13	3.30	-3.30
72	12,053	87.90	0.50	9722.05	3237.01	-157.58	3236.98	3240.84	357.21	2.15	-1.81
73	12,147	87.40	0.10	9725.91	3330.93	-157.09	3330.90	3334.63	357.30	0.68	-0.53
74	12,242	87.90	359.80	9729.80	3425.85	-157.17	3425.82	3429.45	357.37	0.61	0.53
75	12,336	90.50	3.00	9731.11	3519.79	-154.88	3519.76	3523.19	357.48	4.39	2.77
76	12,430	87.30	3.00	9732.92	3613.63	-149.96	3613.60	3616.74	357.62	3.40	-3,40
77	12,525	95.60	3.30	9730.52	3708.37	-144.75	3708.35	3711.20	357.76	8.74	8.74
78	12,619	91.30	1.20	9724.86	3802.10	-141.07	3802.08	3804.72	357.88	5.09	-4.57
79	12,714	89.60	358.40	9724.11	3897.09	-141.40	3897.06	3899.65	357.92	3.45	-1.79
80	12,808	90.30	358.60	9724.20	3991.05	-143.86	3991.03	3993.65	357.94	0.77	0.74
84	12,903	89.70	357.30	9724.20	4085.99	-147.26	4085.97	4088.64	357.94	1.51	-0.63
82	12,997	91.40	357.20	9723.29	4179.87	-151.77	4179.85	4182.63	357.92	1.81	1.81
83	13,092	91.70	358.70	9720.72	4274.78	-155.16	4274.75	4277.59	357.92	1.61	0.32
84	13,186	90.70	0.80	9718.75	4368.75	-155.57	4368.72	4371.52	357.96	2.47	-1.06
85	13,281	90.70	3.40	9717.59	4463.67	-152.09	4463.64	4466.26	358.05	2.74	0.00
86	13,375	89.30	3.80	9717.59	4557.48	-146.19	4557.46	4559.83	358.16	1.55	-1.49
87	13,469	86.90	2.20	9720.71	4651.29	-141.27	4651.27	4653.44	358.26	3.07	-2.55
88	13,564	86.70	1.70	9726.01	4746.09	-138.05	4746.06	4748.09	358.33	0.57	-0.21
89	13,658	91.90	3.80	9727.16	4839.93	-133.54	4839.91	4841.78	358.42	5.97	5.53
90	13,753	92.40	5.30	9723.60	4934.57	-126.01	4934.54	4936.17	358.54	1.66	0.53
91	13,847	90.60	3.70	9721.14	5028.24	-118.64	5028.22	5029.64	358.65	2.56	-1.91
92	13,941	89.40	1.90	9721.14	5122.12	-114.04	5122.10	5123.39	358.72	2.30	-1.28
93	14,036	88.50	358.00	9722.88	5217.08	-114.13	5217.06	5218.33	358.75	4.21	-0.95
94	14,130	90.10	358.90	9724.03	5311.04	-116.67	5311.02	5312.32	358.74	1.95	1.70
95	14,224	92.10	0.40	9722.22	5405.01	-117.24	5404.99	5406.28	358.76	2.66	2.13
96	14,318	89.00	358.90	9721.32	5498.99	-117.82	5498.97	5500.25	358.77	3.66	-3.30
97	14,413	90.10	359.10	9722.07	5593.97	-119.48	5593.95	5595.25	358.78	1.18	1.16
98	14,507	91.10	358.80	9721.08	5687.95	-121.20	5687.93	5689.24	358.78	1.11	1.06
99	14,601	88.10	356.40	9721.74	5781.85	-125.13	5781.83	5783.20	358.76	4.09	-3.19
100	14,695	90.10	356.60	9723.21	5875.66 P	-130.87	5875.63	5877.11	358.72	2.14	2.13
					7	rage 3					

Matador Production	Directional
ion Com	

Number:	Company: Well Name: Location:		Matador Production C Ray State COM #204H Eddy County, NM Patterson #282	Matador Production Company Ray State COM #204H Eddy County, NM	any		Magnetic Declina		83	REFERENCED TO	6.82 REFERENCED TO GRID NORTH
	API#:		0-015-46449						l	J	J
Minimum Curvature	Vertical :	Section Azimuth	7:	0.	.01		Proposed Direction	on: 0.01	-		
NC   PI-50   AZM   TVD   TVD   PI-50   AZM   TVD   PI-50   AZM   TVD   PI-50   PI-50	Survey C	alculation Meth	od:	2	inimum Curvat	ture					
Depth         Inc         Azm         Feet         Feet         Eek         Feet         V.         S           14,770         94.20         357.20         9719.65         5970.43         -136.00         5           14,770         94.20         357.20         9713.26         6064.16         -138.87         6           15,167         86.40         0.50         9713.75         6243.63         -135.57         6           15,262         89.20         1.20         9718.62         6629.69         -133.24         6           15,546         88.30         0.50         9726.49         6723.61         -134.16         6           15,547         88.20         358.70         9726.49         6723.61         -132.11         6           15,547         88.20         358.70         9737.76         6629.69         -132.11         6		MD		=	ก็	-	TVD	N/S		EN	E/W
Depth         Inc         Degrees         Degrees         Feet	P18:	20.198		91	.50	5.50	9740.19	11370.78		-142	-142.92
Feet         Degrees         Feet         Feet         Feet         Feet           01         14,790         94.20         357.20         9779.65         5970.43         -138.00           02         14,884         91.20         359.30         9719.65         6064.16         -138.00           03         14,978         91.20         359.30         9719.32         6158.07         -138.78           04         15,073         88.40         0.50         9713.75         6248.93         -137.04           06         15,262         90.20         1.20         9718.62         6828.93         -132.11           06         15,262         90.20         1.20         9718.62         68246.93         -132.11           07         15,544         88.30         0.90         9726.49         6829.69         -130.22           10         15,622         88.20         359.30         973.46         6817.52         -128.50           10         15,827         88.20         359.30         9737.6         6829.69         -130.22           11         15,921         85.70         358.70         9742.76         7006.37         -128.50           12         15,822 </th <th></th> <th>Depth</th> <th></th> <th></th> <th>- 1</th> <th>N/S</th> <th>EW</th> <th>Surface</th> <th>ı</th> <th>Clos</th> <th>Closure</th>		Depth			- 1	N/S	EW	Surface	ı	Clos	Closure
01         14,790         94.20         357.20         9719.65         5970.43         -136.00           02         14,884         93.60         359.30         9713.26         6064.16         -138.78         6           03         14,978         91.20         0.80         9713.26         6064.16         -138.78         6           04         15,073         88.50         1.30         9709.57         6253.05         -137.04         6           06         15,167         86.40         0.50         9713.75         6346.93         -135.57         6           06         15,262         90.20         1.20         9716.57         6253.06         -134.16         6           07         15,356         87.40         1.00         9722.97         6629.69         -132.21         6           10         15,634         88.30         0.90         9726.49         6723.61         -128.67         6           11         15,634         88.30         359.70         9734.61         6911.42         -129.50         6           11         15,638         86.90         358.30         9742.76         7100.22         -130.96         7           11	*	Feet	Degrees	Degrees	Feet	Feet	Feet	Vert Sec		Distance	Distance Azm
14,884         93.60         359.30         9713.26         6064.16         -138.87         61,4978         91.20         0.80         9709.32         6188.07         -138.78         61,4978         91.20         0.80         9709.32         6188.07         -137.74         6.18         6.18         6.18         6.18         7.13         7.8         6.18         7.13         7.8         6.18         7.13         7.13         7.8         6.18         7.13         6.18         7.13         6.18         7.13         6.18         6.18         7.13         6.18         6.18         7.13         6.18         6.18         7.13         6.18         6.23         6.23         6.23         6.23         6.23         7.13         6.13         7.13         6.13         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         7.13         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23         6.23 </td <td>101</td> <td>14,790</td> <td>94.20</td> <td>357.20</td> <td>9719.65</td> <td>5970.43</td> <td>-136.00</td> <td>5970.41</td> <td></td> <td>5971.98</td> <td></td>	101	14,790	94.20	357.20	9719.65	5970.43	-136.00	5970.41		5971.98	
14,978         91,20         0.80         9709.32         6158.07         -138.78         6           15,073         88,50         1.30         9709.57         6233.05         -137.04         6           15,167         88,40         0.50         9713.75         6346.93         -135.57         6           15,262         90,20         1.20         9716.57         6441.86         -134.16         6           15,356         87,30         1.30         9718.62         6535.81         -132.11         6           15,544         88.30         0.90         9722.97         6623.69         -130.22         6           15,543         88.00         359.30         9730.43         6871.52         -128.50         6           15,527         88.20         359.70         9722.97         6623.69         -132.21         6           15,527         88.20         359.70         973.76         7006.37         -128.50         6           15,527         88.20         359.70         9737.76         7006.37         -129.65         7           16,101         91.50         0.50         9742.76         7100.22         -132.78         7           16,205	102	14,884	93.60	359.30	9713.26	6064.16	-138.87	6064.14	4	4 6065.75	
15,073         88.50         1.30         9709.57         6253.05         -137.04           15,167         88.40         0.50         9713.75         6348.93         -135.57           15,262         90.20         1.20         9718.62         6348.93         -135.17           15,386         87.30         1.30         9718.62         663.81         -132.11           15,480         88.30         0.90         9726.49         6723.61         -128.60           15,638         88.60         359.30         9730.43         6817.52         -128.50           15,632         88.00         359.30         9732.461         6911.42         -128.50           15,627         88.20         359.70         9737.76         7006.37         -128.65           15,921         88.70         358.70         9742.76         7100.22         -130.96           16,016         86.80         359.30         9744.89         7195.00         -132.78           16,205         91.60         0.50         9760.37         7288.96         -132.78           16,229         87.40         0.10         9748.62         747.90         -131.79           16,577         92.20         359.70	103	14,978	91.20	0.80	9709.32	6158.07	-138.78	6158.05	95	05 6159.63	
15,167         86.40         0.50         9713.75         6346.93         -135.77           15,262         90.20         1.20         9716.57         6441.86         -134.16           15,366         87.30         1.00         9718.52         6535.81         -132.11           15,450         87.40         1.00         9728.49         6523.81         -132.11           15,450         87.40         1.00         9728.49         6523.61         -132.11           15,450         88.20         359.30         9730.43         6817.52         -128.50           15,527         88.20         359.30         9734.61         6911.42         -129.54           15,827         88.20         359.70         9737.76         7006.37         -129.65           15,921         85.70         358.70         9742.76         7100.22         -130.96           16,106         86.80         359.30         9748.98         7195.00         -30.96           16,205         91.60         0.50         9750.37         7288.96         -132.78           16,205         91.60         0.50         9748.62         7477.90         -131.79           16,344         90.80         1.50	1 24	15,073	88.50	1.30	9709.57	6253.05	-137.04	6253.02	.02	.02 6254.55	
15,262         90.20         1.20         9716.57         6441.86         -134.16           15,356         87.30         1.30         9718.62         6525.81         -132.11           15,450         87.40         1.00         9722.97         6629.69         -130.22           15,544         88.30         0.90         9726.49         6723.61         -128.67           15,638         86.90         359.30         9730.43         6817.52         -128.50           15,632         88.00         359.30         9737.76         6629.63         -129.24           15,921         85.70         358.70         9742.76         7006.37         -129.65           16,016         86.80         359.30         9748.98         7185.00         -132.78           16,110         91.50         0.50         9750.37         7288.96         -132.78           16,295         87.40         0.10         9748.62         7477.90         -33.79           16,583         91.60         2.60         9748.65         7761.74         -125.28           16,677         88.20         357.70         9747.96         785.69         -127.10           16,961         90.20         0.40	105	15,167	86.40	0.50	9713.75	6346.93	-135.57	6346.91	5.91	5.91 6348.38	
15,356         87,30         1,30         9718.62         6535.81         -132.11         6           15,450         87,40         1,00         9722.97         6629.69         -130.22         6           15,544         88,30         359,30         9726.49         6723.61         -128.67         6           15,638         86,90         359,30         973.461         6817.52         -128.50         6           15,827         88,20         359,30         973.76         7006.37         -129.24         6           15,921         85,70         358,70         9742.76         7100.22         -130.96         7           16,016         86,80         359,30         9748.98         7195.00         -132.78         7           16,110         91,50         0.50         9747.80         7288.96         -132.78         7           16,299         87,40         0.10         9748.62         7477.90         -132.72         7           16,583         91,60         2.60         9748.65         7761.74         -125.28         7           16,677         88.20         357.00         9747.63         785.69         -127.49         7           16,961	106	15,262	90.20	1.20	9716.57	6441.86	-134.16	64	6441.84	11.84 6443.26	6443.26
15,450         87,40         1,00         9722.97         6629.69         -130.22         6           15,544         88,30         0,90         9726.49         6723.61         -128.67         6           15,638         86,90         359.30         9730.43         6817.52         -128.50         6           15,732         88.00         359.70         973.76         6911.42         -129.24         6           15,821         85.70         358.70         973.76         7006.37         -129.65         7           16,016         86.80         359.30         9748.98         7195.00         -132.62         7           16,110         91.50         0.50         9750.37         7288.96         -132.78         7           16,205         91.60         0.50         9747.80         783.93         -132.12         7           16,299         87.40         0.10         9748.62         7761.79         -131.79         7           16,572         88.20         357.70         9748.62         7761.74         -125.28         7           16,677         88.20         357.70         9747.96         7855.69         -127.49         7           16,961	107	15,356	87.30	1.30	9718.62	6535.81	-132.11	99	6535.79	535.79 6537.14	
15.544     88.30     0.90     9726.49     6723.61     -128.67     6       15,638     86.90     359.30     9730.43     6817.52     -128.50     6       15,732     88.00     359.80     9734.61     6911.42     -129.24     6       15,827     88.20     359.70     973.76     7006.37     -129.65     7       16,716     86.80     359.30     9748.98     7195.00     -132.62     7       16,110     91.50     0.50     9750.37     7288.96     -132.78     7       16,205     91.60     0.30     9747.80     7383.93     -132.12     7       16,394     90.80     1.50     9750.11     7572.86     -131.79     7       16,677     88.20     359.60     9748.14     7666.78     -127.10     7       16,877     88.20     357.70     9747.96     7855.69     -127.10     7       16,877     88.20     357.70     9747.63     7950.65     -129.07     7       16,861     90.40     0.80     9747.63     7950.65     -129.07     7       17,243     82.50     358.30     9744.58     8327.47     -125.77     8       17,822     90.20     0.20     9741.71	108	15,450	87.40	1.00	9722.97	6629.69	-130.22	66	6629.67	6630.97	
15,638     86.90     359.30     9730.43     6817.52     -128.50       15,732     88.00     359.80     9734.61     6911.42     -129.24       15,827     88.20     359.70     9737.76     7006.37     -129.65       15,921     85.70     358.70     9742.76     7000.37     -139.65       16,016     86.80     359.30     9748.98     7195.00     -132.78       16,110     91.50     0.50     9750.37     7288.96     -132.78       16,205     91.60     0.30     9747.80     7383.93     -132.12       16,295     87.40     0.10     9748.62     7477.90     -131.79       16,394     90.80     1.50     9748.14     7666.78     -127.10       16,583     90.20     359.60     9748.65     7761.74     -125.28       16,677     88.20     357.70     9747.96     785.69     -127.49       16,961     90.40     0.80     9742.20     8044.58     -129.07       17,149     86.30     358.30     9744.58     327.47     -128.00       17,243     82.50     356.70     9742.20     8139.55     -126.59       17,432     88.80     358.00     9769.41     8514.11     -137.43	109	15,544	88.30	0.90	9726.49	6723.61	-128.67	o	6723.59	723.59 6724.84	
15,732         88.00         359.80         9734.61         6911.42         -129.24           15,827         88.20         359.70         9737.76         7006.37         -129.65           15,921         85.70         358.70         9742.76         7100.22         -130.96           16,016         86.80         359.30         9748.98         7195.00         -132.62           16,110         91.50         0.50         9750.37         7288.96         -132.78           16,205         91.60         0.30         9748.80         7383.93         -132.12           16,295         87.40         0.10         9748.62         7477.90         -131.79           16,394         90.80         1.50         9748.14         7666.78         -127.10           16,583         90.20         359.60         9748.65         7761.74         -125.28           16,677         88.20         357.70         9747.96         7855.69         -127.49           16,866         92.00         0.90         9744.19         8044.58         -129.07           17,045         96.30         358.30         9744.53         839.55         -125.77           17,243         82.50         358.00<	110	15,638	86.90	359.30	9730.43	6817.52	-128.50	•	6817.50	817.50 6818.73	
15,827     88.20     359.70     9737.76     7006.37     -129.65     7       15,921     85.70     358.70     9742.76     7100.22     -130.96     7       16,016     86.80     359.30     9748.98     7195.00     -132.62     7       16,110     91.50     0.50     9750.37     7288.96     -132.78     7       16,205     91.60     0.30     9747.80     7383.93     -132.12     7       16,299     87.40     0.10     9748.62     7477.90     -131.79     7       16,394     90.80     1.50     9750.11     7572.86     -130.46     7       16,583     90.20     359.60     9748.65     7761.74     -125.28     7       16,677     88.20     357.70     9747.96     7855.69     -127.49     7       16,866     92.00     0.90     9744.19     8044.58     -128.00     8       17,045     90.20     0.20     9744.71     8233.54     -125.77     8       17,243     82.50     356.70     9753.75     8420.91     -137.43     8       17,526     90.20     0.50     9764.14     8514.11     -137.43     8       17,682     96.50     1.80     9769.45 <td>111</td> <td>15,732</td> <td>88.00</td> <td>359.80</td> <td>9734.61</td> <td>6911.42</td> <td>-129.24</td> <td>6</td> <td>6911.40</td> <td>911.40 6912.63</td> <td></td>	111	15,732	88.00	359.80	9734.61	6911.42	-129.24	6	6911.40	911.40 6912.63	
15,921     85,70     358,70     9742,76     7100.22     -130.96     7       16,016     86,80     359,30     9748,98     7195.00     -132.62     7       16,110     91,50     0.50     9750,37     7288.96     -132.78     7       16,205     91,60     0.30     9747.80     7383.93     -132.12     7       16,299     87,40     0.10     9748.62     7477.90     -131.79     7       16,394     90,80     1.50     9750.11     7572.86     -127.10     7       16,583     90,20     359,60     9746.65     7761.74     -125.28     7       16,677     88,20     357,70     9747.96     7855.69     -127.49     7       16,866     92,00     0.90     9744.19     8044.58     -128.00     8       17,045     90,20     0.20     9742.20     8139.55     -126.59     8       17,243     82,50     356.70     9753.75     8420.91     -137.43     8       17,526     90,20     0.50     9764.14     8514.11     -137.43     8       17,682     96,50     1.20     9769.45     8608.78     -142.64     8       17,714     97.30     1.50     9765.50	112	15,827	88.20	359.70	9737.76	7006.37	-129.65	70	7006.35	06.35 7007.57	
16,016     86,80     359,30     9748,98     7195.00     -132,62     7       16,110     91,50     0.50     9750,37     7288,96     -132,78     7       16,205     91,60     0.30     9747,80     7383,93     -132,12     7       16,299     87,40     0.10     9748,62     7477,90     -131,79     7       16,394     90,80     1.50     9750,11     7572,86     -130,46     7       16,488     91,60     2.60     9748,14     7666,78     -127,10     7       16,583     90,20     359,60     9749,65     7761,74     -125,28     7       16,677     88,20     357,70     9747,96     785,59     -127,49     7       16,866     92,00     0.90     9744,19     8044,58     -128,00     8       17,049     86,30     358,30     9742,20     8139,55     -126,59     8       17,243     82,50     356,70     9744,58     8327,47     -127,00     8       17,337     84,80     358,00     9764,14     8514,11     -137,43     8       17,526     90,20     0.50     9769,45     8608,78     -142,80     8       17,682     96,50     1.80     9765,50 <td>113</td> <td>15,921</td> <td>85.70</td> <td>358.70</td> <td>9742.76</td> <td>7100.22</td> <td>-130.96</td> <td>71</td> <td>7100.20</td> <td>00.20 7101.43</td> <td></td>	113	15,921	85.70	358.70	9742.76	7100.22	-130.96	71	7100.20	00.20 7101.43	
16,110     91.50     0.50     9750.37     7288.96     -132.78       16,205     91.60     0.30     9747.80     7383.93     -132.12       16,299     87.40     0.10     9748.62     7477.90     -131.79       16,394     90.80     1.50     9750.11     7572.86     -130.46       16,488     91.60     2.60     9748.14     7666.78     -127.10       16,583     90.20     359.60     9746.65     7761.74     -125.28       16,677     88.20     357.70     9747.96     7855.69     -127.49       16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,149     86.30     358.30     9744.79     8233.54     -125.77       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     358.00     9764.14     8514.11     -137.43       17,620     90.80     1.20     9769.45     8608.78     -142.80       17,621     90.50     1.80     9765.50     8858.57     -140.01       17,714     97.30     1.50     9761.66     8890.33     -140.11	114	16,016	86.80	359.30	9748.98	7195.00	-132.62	719	194.98		7196.22
16,205     91,60     0,30     9747,80     7383,93     -132,12       16,299     87,40     0,10     9748,62     7477,90     -131,79       16,394     90,80     1,50     9750,11     7572,86     -130,46       16,488     91,60     2,60     9748,14     7666,78     -127,10       16,583     90,20     359,60     9746,65     7761,74     -125,28       16,677     88,20     357,70     9747,96     7855,69     -127,49       16,866     92,20     0,40     9747,96     7855,69     -127,49       16,961     90,40     0,80     9742,20     8139,55     -128,00       17,149     86,30     358,30     9744,58     8327,47     -125,77       17,337     84,80     356,70     9753,75     8420,91     -131,08       17,526     90,20     0,50     9764,14     8514,11     -137,43       17,682     96,50     1,20     9769,45     8762,76     -140,03       17,714     97,30     1,50     9761,66     8890,33     -140,11	115	16,110	91.50	0.50	9750.37	7288.96	-132.78	728	7288.94	38.94 7290.17	7290.17
16,299     87,40     0.10     9748.62     7477.90     -131.79       16,394     90.80     1.50     9750.11     7572.86     -130.46       16,488     91.60     2.60     9748.14     7666.78     -127.10       16,583     90.20     359.60     9746.65     7761.74     -125.28       16,677     88.20     357.70     9747.96     7855.69     -127.49       16,866     92.00     0.90     9747.63     7950.65     -129.07       17,055     90.20     0.20     9744.19     8044.58     -128.00       17,149     86.30     358.30     9744.71     8233.54     -125.77       17,337     84.80     356.70     9753.75     8420.91     -137.08       17,526     90.20     0.50     9769.45     8608.78     -142.80       17,682     96.50     1.80     9769.45     8796.75     -142.64       17,714     97.30     1.50     9761.66     8890.33     -140.11	116	16,205	91.60	0.30	9747.80	7383.93	-132.12	738	7383.90	33.90 7385.11	7385.11
16,394     90.80     1.50     9750.11     7572.86     -130.46       16,488     91.60     2.60     9748.14     7666.78     -127.10       16,583     90.20     359.60     9746.65     7761.74     -125.28       16,677     88.20     357.70     9747.96     7855.69     -127.49       16,772     92.20     0.40     9747.63     7950.65     -129.07       16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,149     86.30     358.30     9744.58     8327.47     -125.77       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     358.00     9769.45     8514.11     -137.43       17,620     90.80     1.20     9769.45     8796.75     -142.80       17,621     90.80     1.20     9769.45     8796.75     -142.64       17,714     97.30     1.50     9761.66     8890.33     -140.11	117	16,299	87.40	0.10	9748.62	7477.90	-131.79	747	7477.88	- 1	7479.06
16,488     91.60     2.60     9748.14     7666.78     -127.10       16,583     90.20     359.60     9746.65     7761.74     -125.28       16,677     88.20     357.70     9747.96     7855.69     -127.49       16,772     92.20     0.40     9747.63     7950.65     -129.07       16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,149     86.30     358.30     9744.71     8233.54     -125.77       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     356.70     9753.75     8420.91     -131.08       17,526     90.20     0.50     9769.45     8608.78     -142.80       17,620     90.80     1.20     9769.45     8702.76     -144.03       17,714     97.30     1.50     9765.50     8858.57     -142.64       17,714     97.30     1.50     9761.66     8890.33     -140.11	118	16,394	90.80	1.50	9750.11	7572.86	-130.46	757	7572.84	2.84 7573.99	7573.99
16,583     90.20     359.60     9746.65     7761.74     -125.28       16,677     88.20     357.70     9747.96     7855.69     -127.49       16,772     92.20     0.40     9747.63     7950.65     -129.07       16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,055     90.20     0.20     9741.71     8233.54     -125.77       17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,526     90.20     0.50     9770.27     8702.76     -142.80       17,620     90.80     1.20     9769.45     8796.75     -144.03       17,714     97.30     1.50     9761.66     8890.33     -140.11	119	16,488	91.60	2.60	9748.14	7666.78	-127.10	766	7666.76		7667.83
16,677     88.20     357.70     9747.96     7855.69     -127.49       16,772     92.20     0.40     9747.63     7950.65     -129.07       16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,055     90.20     0.20     9741.71     8233.54     -125.77       17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,526     90.20     0.50     9769.45     8608.78     -142.80       17,620     90.80     1.20     9769.45     8796.75     -144.03       17,682     96.50     1.80     9765.50     8858.57     -142.64       17,714     97.30     1.50     9761.66     8890.33     -140.11	120	16,583	90.20	359.60	9746.65	7761.74	-125.28	776	7761.72		7762.75
16,772     92.20     0.40     9747.63     7950.65     -129.07       16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,055     90.20     0.20     9741.71     8233.54     -125.77       17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,526     90.20     0.50     9769.45     8608.78     -142.80       17,620     90.80     1.20     9769.45     8796.75     -144.03       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	121	16,677	88.20	357.70	9747.96	7855.69	-127.49	785	7855.67		7856.73
16,866     92.00     0.90     9744.19     8044.58     -128.00       16,961     90.40     0.80     9742.20     8139.55     -126.59       17,055     90.20     0.20     9741.71     8233.54     -125.77       17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,432     88.80     358.00     9769.45     8608.78     -142.80       17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	122	16,772	92.20	0.40	9747.63	7950.65	-129.07	79	7950.63	50.63 7951.70	
16,961     90.40     0.80     9742.20     8139.55     -126.59       17,055     90.20     0.20     9741.71     8233.54     -125.77       17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,432     88.80     358.00     9769.45     8608.78     -142.80       17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	123	16,866	92.00	0.90	9744.19	8044.58	-128.00	80	8044.56	44.56 8045.60	
17,055     90.20     0.20     9741.71     8233.54     -125.77       17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,432     88.80     358.00     9769.45     8608.78     -142.80       17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	124	16,961	90.40	0.80	9742.20	8139.55	-126.59	œ	8139.52	139.52 8140.53	
17,149     86.30     358.30     9744.58     8327.47     -127.00       17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     356.70     9764.14     8514.11     -137.43       17,432     88.80     358.00     9769.45     8608.78     -142.80       17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	125	17,055	90.20	0.20	9741.71	8233.54	-125.77	00	8233.52	233.52 8234.50	8234.50
17,243     82.50     356.70     9753.75     8420.91     -131.08       17,337     84.80     355.50     9764.14     8514.11     -137.43       17,432     88.80     358.00     9769.45     8608.78     -142.80       17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	126	17,149	86.30	358.30	9744.58	8327.47	-127.00	00	8327.45		8328.44
17,337     84.80     355.50     9764.14     8514.11     -137.43       17,432     88.80     358.00     9769.45     8608.78     -142.80       17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	127	17,243	82.50	356.70	9753.75	8420.91	-131.08	m	8420.89		8421.93
17,432       88.80       358.00       9769.45       8608.78       -142.80         17,526       90.20       0.50       9770.27       8702.76       -144.03         17,620       90.80       1.20       9769.45       8796.75       -142.64         17,682       96.50       1.80       9765.50       8858.57       -141.02         17,714       97.30       1.50       9761.66       8890.33       -140.11	128	17,337	84.80	355.50	9764.14	8514.11	-137.43	00	8514.08	514.08 8515.22	
17,526     90.20     0.50     9770.27     8702.76     -144.03       17,620     90.80     1.20     9769.45     8796.75     -142.64       17,682     96.50     1.80     9765.50     8858.57     -141.02       17,714     97.30     1.50     9761.66     8890.33     -140.11	129	17,432	88.80	358.00	9769.45	8608.78	-142.80	<u>&amp;</u>	8608.76	308.76 8609.97	
17,620 90.80 1.20 9769.45 8796.75 -142.64 17,682 96.50 1.80 9765.50 8858.57 -141.02 17,714 97.30 1.50 9761.66 8890.33 -140.11	130	17,526	90.20	0.50	9770.27	8702.76	-144.03	87	8702.73		8703.95
17,682 96.50 1.80 9765.50 8858.57 -141.02 17,714 97.30 1.50 9761.66 8890.33 -140.11	131	17,620	90.80	1.20	9769.45	8796.75	-142.64	879	8796.72	6.72 8797.90	
17,714 97.30 1.50 9761.66 8890.33 -140.11	132	17,682	96.50	1.80	9765.50	8858.57	-141.02	8858.55	3.55	3.55 8859.69	
	133	17,714	97.30	1.50	9761.66			889	8890.30	90.30 8891.43	

company:	Di
Matador Production Con	irectional

Z0.50.60A										
Company:		Matador Production Company	oany							
Location:		Eddy County, NM								
Rig:		n #282			Magnetic Declination:		6.82 REFERENCED TO GRID NORTH	GRID NORTH	4	•
Job Number:	ber:   MSMO-73000	3000								
API#:	30-015-46449	6449								
Vertical	Vertical Section Azimuth:	0	0.01		Proposed Direction:	<b>)n:</b> 0.01				
Survey (	Survey Calculation Method:		Minimum Curvature	ure			i			
7	MD		INC	MZA	TVD	N/S	EW	~	VS	
7	20,198	9,	91.50	5.50	9740.19	11370.78	-142.92	.92	11370.75	.75
	Depth Inc	Azm	۵۸L	N/S	E/W	Surface	Closure	ure	DLS/	BUR/
*	De	0	Feet	Feet	Feet	Vert Sec	Distance	Azm	100	100'
134	17,808 91.60	٥	9754.37	8983.99	-138.39	8983.96	8985.05	359.12	6.14	-6.06
135	17,902 91.60	60 0.20	9751.74	9077.95	-137.74	9077.93	9078.99	359.13	0.43	0.00
136	17,997 90.30	30 359.80	9750.17	9172.93	-137.74	9172.91	9173.97	359.14	1.43	-1.37
137	18,091 91.50	50 359.10	9748.69	9266.92	-138.64	9266.89	9267.95	359.14	1.48	1.28
138	18,185 88.00	00 356.90	9749.10	9360.84	-141.92	9360.81	9361.91	359.13	4.40	-3.72
139	18,280 88.40	40 357.00	9752.08	9455.66	-146.97	9455.63	9456.80	359.11	0.43	0.42
140	18,374 89.00	00 356.90	9754.22	9549.50	-151.97	9549.47	9550.71	359.09	0.65	0.64
141	18,468 89.00	00 355.90	9755.86	9643.30	-157.87	9643.27	9644.59	359.06	1.06	0.00
142	18,562 89.80		9756.84	9737.07	-164.35	9737.04	9738.45	359.03	0.91	0.85
143	18,657 93.30	30 358.90	9754.27	9831.92	-168.41	9831.89	9833.36	359.02	4.65	3.68
144	18,751 91.10		9750.66	9925.80	-171.44	9925.77	9927.28	359.01	2.83	-2.34
145	18,845 91.80		9748.28	10019.73	-173.98	10019.69	10021.24	359.01	2.35	0.74
146	18,940 89.10	10 357.90	9747.54	10114.69	-176.14	10114.66	10116.22	359.00	3.30	-2.84
147	19,034 91.00		9747.46	10208.62	-179.58	10208.59	10210.20	358.99	2.02	2.02
148	19,128 89.10	10 0.30	9747.37	10302.60	-181.06	10302.56	10304.19	358.99	3.26	-2.02
149	19,223 92.20	20 2.40	9746.30	10397.55	-178.82	10397.52	10399.08	359.01	3.94	3.26
150	19,317 90.30	30 1.00	9744.25	10491.48	-176.03	10491.45	10492.95	359.04	2.51	-2.02
151	19,411 87.80	80 358.40	9745.80	10585.45	-176.53	10585.42	10586.92	359.04	3.84	-2.66
152	19,506 94.20		9744.15	10680.37	-176.61	10680.34	10681.83	359.05	7.48	6.74
153	19,600 92.10	10 0.20	9738.98	10774.21	-175.22	10774.18	10775.64	359.07	2.63	-2.23
154	19,695 92.00		9735.58	10869.10	-172.40	10869.07	10870.47	359.09	3.16	-0.11
155	19,789 91.90	90 3.20	9732.38	10962.90	-167.16	10962.87	10964.17	359.13	0.11	-0.11
156	19,883 89.80		9730.99	11056.75	-162.24	11056.72	11057.94	359.16	2.27	-2.23
157	19,977 85.90		9734.52	11150.57	-157.98	11150.54	11151.69	359.19	4.17	<b>-4</b> .15
158	20,072 86.90	90 3.10	9740.48	11245.27	-153.43	11245.25	11246.32	359.22	1.28	1.05
159	20,147 91.50	50 5.50	9741.53	11320.03	-147.81	11320.00	11320.99	359.25	6.92	6.13
PTB:	20,198 91.50	50 5.50	9740.19	11370.78	-142.92	11370.75	11371.67	359.28	0.00	0.00