		HOBBS C	DCD U	CD-HOBBS			
Form 3160-5 (August 2007)	UNITED STATES EPARTMENT OF THE INT	ERIOR JUL 01	2015	ORM APPROVED MB NO. 1004-0135 pires: July 31, 2010			
SUNDRY	NOTICES AND REPORT	S ON WELLS	5. Lease Serial NMI C0658	No. 363			
Do not use th abandoned we	is form for proposals to dr II. Use form 3160-3 (APD)	ill or to re-enter apecell for such proposals.	(ED 6. If Indian, Allo	6. If Indian, Allottee or Tribe Name			
SUBMIT IN TR	PLICATE - Other instructio	ons on reverse side.	7. If Unit or CA	Agreement, Name and/or No.			
1. Type of Well	her INJECTION		8. Well Name an ZIA AGI 1	id No.			
2. Name of Operator DCP MIDSTREAM, LP	Contact: DA E-Mail: dale@geolex.	LE T LITTLEJOHN	9. API Well No. 30-025-422	208 -			
3a. Address 370 17TH STREET SUITE 25 DENVER, CO 80208-5406	500 Si00	b. Phone No. (include area code) Ph: 505-842-8000	10. Field and Po EXPL BRU	ol, or Exploratory SHY/CHERRY CANYON			
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description)	· · · · · · · · · · · · · · · · · · ·	11. County or Pa	arish, and State			
Sec 19 T19S R32E 2305F	9 50FWL /		LEA COUN	ITY, NM			
12. CHECK APPI	ROPRIATE BOX(ES) TO I	NDICATE NATURE OF N	IOTICE, REPORT, OR OT	THER DATA			
TYPE OF SUBMISSION		TYPE OF	ACTION				
	☐ Acidize	Deepen	Production (Start/Resum	e) 🖸 Wat 💋			
	Alter Casing	Fracture Treat	Reclamation	wei H K			
Subsequent Report	🗖 Casing Repair	New Construction	Recomplete				
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon				
	Convert to Injection	Plug Back	UWater Disposal	- U U U U U			
determined that the site is ready for fi On May 20, 2015 a step rate to BLM Carlsbad Office was notifi onsite to witness the testing. elected to not observe. The fiv (measured depth ? MD) were i forms have been provided for I Energy Services (pages 1-3) a surface pressure measuremen 7). In addition, the bottom hole also included (Figure 2 ? Page The calculated surface parting	and inspection.) est (SRT) was successfully of lied prior to the test via the B The NMOCD Hobbs District (ve perforated zones between tested. Results of the testing both the surface pressure me ind by Schlumberger (pages its shows excellent agreeme e pressure graph from the So e 7).	completed at the DCP Zia A LM Hotline and Mr. Paul S Office was also notified as 5,682 and 6,260 feet belo g are attached. The BLM-pr easurements which were re 4-6). The graph for these nt between both sets of dar chlumberger downhole pres	GI #1 well. The wartz was a courtesy and w surface rovided SRT data corded by Cudd two sets of ta (Figure 1- Page ssure sensor is	PROVIDE S.F APPR			
accept for re	cord with atta	ched order o	t suthorized	officer.			
14. I hereby certify that the foregoing is	true and correct. Electronic Submission #3058 For DCP MID Committed to AFMSS for p	382 verified by the BLM Well STREAM, LP, sent to the Ho rocessing by ED FERNAND	Information System obbs Z on 06/23/2015 ()				
Name(Printed/Typed) DALETLI	TTLEJOHN	Title GEOLE	CONSULTANT TO DCP				
Signature (Electronic S	, ubmission)	Date 06/19/20	ACCEPIED FO	R RECORD			
· .	THIS SPACE FOR I	FEDERAL OR STATE C					
Approved By	<u> </u>	Title	JUN 23	2015 Date			
Conditions of approval, if any, are attached certify that the applicant holds legal or equi which would entitle the applicant to conduc	Approval of this notice does not vitable title to those rights in the subject operations thereon.	warrant or ject lease Office	BUREAU OF LAND	MACHAGEMENT			
Title 18 U.S.C. Section 1001 and Title 43 U States any false, fictitious or fraudulent st	J.S.C. Section 1212, make it a crim tatements or representations as to an	e for any person knowingly and v ny matter within its jurisdiction.	ullfully to make to any department	nt or agency of the Linited			
** ODEDAT		BATOB-SUBMITTED **	OPERATOR-SURMITT	ED **			
OFERAL				Ant Ant			
Acce	ANR MAN HILLION	-	JUL 02	2015 ¹			

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Additional data for EC transaction #305882 that would not fit on the form

32. Additional remarks, continued

pumping at 0.23 barrels per minute using 9.3 lb/gal brine. A maximum surface pressure of 2,211 psig (Cudd data) and 2,121 psig (Schlumberger data) was observed in the eighth step at a target rate of 6 gpm (actual 6.14 bpm) with fluids filling the natural laminations in the sediments of the injection zone with no indication of vertical fracturing. Subsequent tracer testing revealed that only the three bottom zones took fluid with the lower most zone (6,162 ? 6,260 feet) taking 10 % of the flow, the next higher zone (6,030 ? 6,136 feet) taking 84% of the flow and the next upper zone (5,907 ? 6,010 feet) taking 6% of the flow. The two upper zones (5,682 ? 5,756 feet and 5,788 ? 5,890 feet) did not take any flow during the tracer survey. These tracer tests are used by EPA to confirm the lack of vertical travel of the fluid and in this case they clearly confirm the lack of vertical fracturing and lack of upward flow within the investigation zone of the tool (up to 10 feet from the bore hole). The NMOCD-approved maximum allowable operating pressure (MAOP) for treated acid gas is 2,233 psig. The anticipated pressure required to inject the 2.5 barrels per minute of treated acid gas produced by the plant is estimated to be between 1,500 and 1,600 psig.

This step rate test fulfills the requirement of the BLM Conditions of Approval for DCP Zia AGI #1 dated October 22, 2014 and NMOCC Order R-13809 and demonstrates the Zia AGI #1 well can be safely operated at pressures within the currently approved MAOP. DCP is not requesting an MAOP increase at this time for this well.

A report is attached providing all of the test data, graphs and supporting exhibits for the parting pressure calculations. Since this well is will be completed with continuous bottom hole pressure monitoring as required by the NMOCC Order (R-13809) DCP can assure that fracture pressure is never exceeded during injection operations.

Operator:DCP Midstream (Cudd Surface Pressure)Well: Zia AGI #1 (all perforation zones)API#:30-025-42208Lease: NM0149956Date collected:5/20/15Sfc Loc: T-19-S, R-32-E, Sec 19 (2100 FSL & 950 FWL)Input cell

Packer set at: 5475.00 Inj Pipe I.D.: 2.44 Top Injection Depth: 5801 Х 0.20psig/ft = Expected Surface Fracture psig: 1160.2 With Mud Wt Scale: 9.3 lbs/gal Beginning Formation psig: 2959 at Depth: 6096 Injection fluid lbs/gal: 9.3 Hydrostatic Pressure of fluid at top depth of injection: 2816 Beginning Wellhead psig: 0 Target Maximum Rate - bpd(barrels per day): 7200 1. Take a charted record of shut in psig for no less than 48 hours. If the shut in psig is above the expected fracture pressure, the wellhead pressure will need to be bled off before beginning the Step Rate Test. 2. Preform a minimum of seven steps, recording rate to ±0.1bpm and surface pressures to ±10psig in five minute intervals. The first two step rate pressures must be below 0.2psig/ft x depth at top of injection.

4. The last two five minute surface pressure readings of each (minimum 30 minute) step are to be within 15psig of each other. If not, hold that step injection rate past the 30 minute step until two consecutive pressure readings are within 15psig. Record the average of those two readings as the Data Point for that Step #.

Step 1	0.23	bpm pmp'd	for Step 1	o) for Stop 1				
larget les			15 min	0.2500	opin (barrel	s per minut	e) for Step 1	44.40
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	11:12
Surface (psig):	1233.00	1221.00	1197.00	1186.00	1167.00	1166.00	End lime:	11:42
Formation (psig)	4182.00	4167.00	4150.00	4141.00	4120.00	4120.00	Graph	Data
gpm:	7.14	7,98	8.82	7.98	11.76	13.02		r
Time:	35 min	40 min	45 min	50 min	25 min	60 min	Poin	t#1
Surface (psig):			· · · · · · · · · · · · · · · · · · ·	·			Sfc psig:	1195.00
Formation (psig):			1		1	. (4146.67
gpm.	t in the second second	·····			Chan 4 h		gpm:	9.45
Otom 0	Ťa	raat game -	21.00	0.47	Step 1 r	las a target	ppd rate of:	360
Step 2	ia Poto (10% of	rget gpm =	21.00 bpd/1140 -	0.47	opm pmpa			
			0pu/1440 -	0.000		<u>p z</u>		44.40
Time:			15 min	20 min	25 min	30 min	Start Time:	11:42
Surface (psig):	1175.00	1177.00	1181.00	1177.00	1183.00	1183.00	End Time:	12:12
Formation (psig):	4126.00	4128.00	4130.00	4132.00	4134.00	4135.00	Graph	Data
gpm:	21.00	20.16	18.48	19.32	20.58	19.32	TO TO	
Time:	35 min	40 min	45 min	50 min	25 min	60 min	Poin	C#2
Surface (psig):			<u>.</u>	·····		· · · · · · · · · · · · · · · · · · ·	Stc psig:	1179.33
Formation (psig):					<u></u>		F psig:	4130.83
gpm:		<u> </u>		, 			gpm:	19.81
			40.00	4.00	Step 2 h	as a target	bpd rate of:	720
Step 3	lai 2004 - Creani	rget gpm =	42.00	1.06	bpm pmp'd	for Step 3		
larget lest Rate (20% of maxi	mum opa/1	440 =	1.0000	opm for Ste	p s		
Time:	<u>5 min</u> ;	10 min	15 min	20 min	25 min	30 min	Start Time:	12:12
Surface (psig):	1198.00	1204.00	1207:00	1201.00	1209.00	1198.00	End Time:	12:42
Formation (psig):	4139.00	4142.00	4143.00	4143.00	4143.00	4143.00	Graph	Data
gpm:	44.52	44.52	44.52	44.52	44.52	44.52	fo	
Time:	35 min	40 min	45 min	50 min	<u>25 min</u>	60 min	Poin	t #3
Surface (psig):	·						Sfc psig:	1202.83
Formation (psig)					a south		F psig:	4142.17
gpm:							gpm:	44.52

Step 3 has a target bpd rate of: 1440

Operator: DCP Midstream (Cudd Surface Pressure) Well: Zia AGI #1 (all perforation zones) API#: 30-025-42208 Sfc Loc: T-19-S, R-32-E, Sec 19 (2100 FSL & 950 FWL) Date collected: 5/20/15 221

Step 4	Target gpm = 84.002.03 bpm pmp'd for Step 4	وتتعوين الشريب المستعال المعايين بالمراب							
Target Test Rate (40% of maximum bpd/1440 = 2.0000 bpm for Step 4									
Time:	5 min 👘 10 min 👘 15 min 👘 20 min 🖓 25 min 👘 30 min	Start Time: 12:42							
Surface (psig):	1315.00 1295.00 1281.00 1252.00 1240.00 1237.00	End Time: 13:12							
Formation (psig):	4155.00 4119.00 4110.00 4107.00 4103.00 4100.00	Graph Data							
Rate gal/min:	85.68 86.10 91.98 83.16 82.32 82.32	for ,							
· Time:	35 min 40 min 45 min 50 min 25 min 60 min	Point #4							
Surface (psig):		Sfc psig: 1270.00							
Formation (psig):		F psig: 4115.67							
gpm:		gpm: 85.26							
	Step 4 has a target	bpd rate of: 2880							
Step 5	$arget gpm = 126.00 \qquad 3.07 \text{ bpm pmp'd for Step 5}$								
larget lest	Rate (60% of maximum bpd/1440 = 3.0000 bpm for Step 5	an ann an tha ann an tharaicht an tha an tha ann an tha ann an tha ann an tharaichte an tha an tharaichte an t							
Time:	5 min 10 min 15 min 20 min 25 min 30 min	Start Time: 13:12							
Surface (psig):	1404.00 1409.00 1407.00 1408.00 1399.00 1401.00	End Time: 13:42							
Formation (psig)	<u>4103.00</u> 4101.00 4100.00 4100.00 4100.00 4099.00	Graph Data							
gpm:	129.36 128.10 128.94 130.20 128.10 128.52	for							
Time:	<u>35 min 40 min 45 min 50 min 25 min 60 min</u>	Point #5							
Surface (psig):		Sfc psig: 1404.67							
Formation (psig):		F psig: 4100.50							
gpm:		gpm: 128.87							
Oten C	Step 5 has a target	opd rate of: 4320							
Jiep 6 Target Test	Rate (80% of maximum hpd/1440 = 4.06 bpm pm pd for Step 6								
Time ⁻	5 min 10 min 15 min 20 min 25 min 7 30 min	Start Time: 13:42							
Surface (psig):		End Time: 14:12							
Formation (psig)	4104.00 4104.00 4105.00 4105.00 4105.00 4105.00 4106.00	Graph Data							
Rate gal/min:	176.82 169.68 170.52 170.94 170.10 170.52	for							
Time:	35 min 40 min 45 min 50 min 25 min 60 min	Point #6							
Surface (psig);		Sfc psig: 1617.83							
Formation (psig):		F psig: 4104.83							
gpm:		gpm: 171.43							
	Step 6 has a target	bpd rate of: 5760							
Step 7	Target gpm = 210.00 5.03 bpm pmp'd for Step 7								
Target Test R	ate (100% of maximum bpd/1440 = 5.0000 bpm for Step 7								
Time:	5 min 10 min 15 min 20 min 25 min 30 min 1	Start Time: 14:12							
Surface (psig):	1859.00 1871.00 1856.00 1865.00 1866.00 1877.00 1	End Time: 14:42							
Formation (psig):	4109.00 4110.00 4112.00 4114.00 4115.00 4113.00	Graph Data							
gpm:	208.74 211.68 212.94 212.40 210.84 211.26	for							
Time:	<u>35 min 40 min 45 mín 50 min 25 min 60 min</u>	Point #7							
Surface (psig):		Stc psig: 1865.67							
 Formation (psig): 	n an	⊢psig: _4112.17							
.gpm:		gpm: 211.26							
	Sten 7 has a target h	nd rate of 7200							

Operator: DCP Midstream (Cudd Surface Pressure)

Date collected: 5/20/15

Well: Zia AGI #1 (all perforation zones) API#: 30-025-42208 Lease: NM0149956 Sfc Loc: T-19-S, R-32-E, Sec 19 (2100 FSL & 950 FWL)

Step 8	Target gpm = 252.00			6.14	bpm pmp'd			
Target Test R	Target Test Rate (120% of maximum bpd/1440 =				bpm for Ste			
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	14:42
Surface (psig):	2217.00	2201.00	2210.00	2210.00	2220.00	2210.00	End Time:	15:12
Formation (psig):	4116.00	4117.00	4118.00	4120.00	4121.00	4121.00	Graph	Data
Rate gal/min:	257.04	258.72	258.30	258.30	258.72	255.78	for	
Time:	35 min	40 min	45 min	50 min	25 min	60 min	Point	#8
Surface (psig):			، ۲۰۰۰ میں در ۲۰۰۰ مربع				Sfc psig:	2211.33
Formation (psig):							F psig:	4118.83
gpm:							gpm:	257.81

Step 8 has a target bpd rate of: 8640

Operator:	DCP Midstream (Schlumber	rger Surface Press)	Well: Zia AGI #1 (all perforation zones)			
	· .	API#:	30-025-42208	Lease: NM0149956		
Da	te collected: 5/20/15	Sfc Loc:	T-19-S, R-32-E, Sec Input cell	: 19 (2100 FSL & 950 FWL)	•	

Packer set at: 5475.00 Inj Pipe I.D.: 2.44 Top Injection Depth: 5801 0.20psig/ft = Expected Surface Fracture psig: Х 1160.2 With Mud Wt Scale: 9.3 lbs/gai Beginning Formation psig: 2959. at Depth: 6096 Injection fluid lbs/gal: 9.3 Hydrostatic Pressure of fluid at top depth of injection: 2800 Beginning Wellhead psig: 17 Target Maximum Rate - bpd(barrels per day): 7200

Take a charted record of shut in psig for no less than 48 hours. If the shut in psig is above the expected fracture pressure, the wellhead pressure will need to be bled off before beginning the Step Rate Test.
 Preform a minimum of seven steps, recording rate to ±0.1bpm and surface pressures to ±10psig in five minute intervals. The first two step rate pressures must be below 0.2psig/ft x depth at top of injection.

4. The last two five minute surface pressure readings of each (minimum 30 minute) step are to be within 15psig of each other. If not, hold that step injection rate past the 30 minute step until two consecutive pressure readings are within 15psig. Record the average of those two readings as the Data Point for that Step #.

Step 1	Target gpm = 10.50			0.23	b'ama mad			
Target Tes	t Rate (5% o	f maximum	bpd/1440 =	0.2500	bpm (barre	ls per minut	e) for Step 1	
Time:	5 min	10 min	15 min :	20 min	25 min	30 min	Start Time:	11:12
Surface (psig):	1247.00	1223.00	1227.00	1219.00	1199.00	1195.00	End Time:	11:42
Formation (psig)	4182.00	4167.00	4150.00	4141.00	4120.00	4120.00	Graph	Data
gpm:	7.14	7.98	8.82	7.98	11.76	13.02	fc	r
Time:	35 min	40 min	45 min	50 min	25 min	60 min	Poir	1t #1
Surface (psig):			1		1		Sfc psig:	1218.33
Formation (psig):	in the second		1		1		F psig:	4146.67
gpm:							gpm:	9.45
			-		Step 1 I	has a target	bpd rate of:	360
Step 2	Ta	rget gpm =	21.00	0.47	bpm pmp'c	for Step 2		
Target Test	Rate (10% of	maximum	bpd/1440 =	0.5000	bpm for Ste	ep 2		
Time:	5 min	10 min	. 15 min 🕺	20 min	25 min	30 min	Start Time:	11:42
Surface (psig):	1204.00	1209.00	1214.00	1215.00	1214.00	1214.00	End Time:	12:12
Formation (psig):	4126.00	4128.00	4130.00	4132.00	4134.00	4135.00	Graph	Data
gpm:	21.00	20.16	18.48	19.32	20.58	19.32	fo	r
Time:	35 min	40 min	<u>45 min</u>	50 min	25 min	60 min	Poin	it #2
Surface (psig):			l .			• .	Sfc psig:	12,11.67
Formation (psig):					*		F psig:	4130.83
gpm:			۰ ۱		• 5 • • • • • •	•	gpm:	19.81
					Step 2 h	nas a target	bpd rate of:	720
Step 3	Tai	rget gpm =	42.00	1.06	bpm pmp'd	for Step 3		
Target Test Rate (20% of maxi	mum bpd/1	440 =	1.0000	bpm for Ste	р 3		
Time:	5 min	10 min 💠	15 min	20 min	25 min	30 min	Start Time:	12:12
Surface (psig):	1235.00	1240.00	1238.00	1240.00	1239.00	1242.00	End Time:	12:42
Formation (psig):	4139,00	4142.00	4143.00	4143.00	4143.00	4143.00	Graph	Data
gpm:	44.52	44.52	44.52	44.52	44.52	44.52	fo	r
Time:	35 min	40 min	45 min	50 min	25 min	60 min	Poin	it #3
Surface (psig):	······································		1				Sfc psig:	1239.00
Formation (psig)							F psig:	4142.17
gpm:	- e 2 2			•			gpm:	44.52

Step 3 has a target bpd rate of: 1440

Operator: DCP Midstream (Schlumberger Surface Press) Well: Zia AGI #1 (all perforation zones) API#: 30-025-42208 Lease: NM0149956 Sfc Loc: T-19-S, R-32-E, Sec 19 (2100 FSL & 950 FWL) Date collected: 5/20/15

	Target	apm = 84.00	2.0	3 hpm_pmp/d i	for Step 4					
Target Test Rate	Target Test Rate (40% of maximum bpd/1440 = 2.0000 bpm for Step 4									
Time	5 min 10	min 15 r	nin 20 min	25 min	30 min	Start Time	12.42			
Surface (psig): 1	334.00 129	0 00 1282	00 1282.00	1263.00	1265.00	End Time:	13:12			
Formation (psig): 4	155.00 411	9.00 4110	00 4107.00	4103.00	4100.00	Granh	Data			
Rate gal/min:	35 68 86	10 91	98 83.16	82 32	82.32	fo	r ala			
Time: 3	5 min 40	min 45 r	nin 50 min	25 min	60 min	Poin	t #4			
Surface (psig);						Sfc psig:	1286.00			
Formation (psig):		· · · ·				F psig:	4115.67			
gpm:						gpm:	85.26			
				Step 4 ha	as a target	bpd rate of:	2880			
Step 5	Target g	gpm = 126.00) 3.0	7 bpm pmp'd f	for Step 5					
Target Test Rate) (60% of max	(imum bpd/14	40 = 3.000	0 bpm for Step	5					
Time: 📢	5 min 10	min, 15 r	nin 20 min	25 min	30 min	Start Time:	13:12			
Surface (psig): 14	124.00 143	5.00 1411	.00 1411.00	1412.00	1408.00	End Time:	13:42			
Formation (psig) 4	103.00 410	1.00 4100	0.00 4100.00	4100.00	4099.00	Graph	Data			
gpm: 1	29.36 128	3.10 128	94 130.20	128,10	128.52	fo	•			
Time: 3	5 min 40	min 45 r	nin 50 min	25 min	60 min	Poin	t #5			
Surface (psig):						Sfc psig:	1416.83			
Formation (psig):						F psig:	4100.50			
gpm:			وجيبوه فنفط المتعمد معروب	1		gpm:	128.87			
			,	Step 5 ha	is a target	bpd rate of:	4320			
Target Test Rate	iarget (80% of may	jpm = 168.00 /1/14	4.03	b pm pmp a to	or Step 6					
Time:	min 10	min 15 r	$\frac{10}{10} = \frac{1000}{20}$	25 min	30 min	Start Time	13.42			
Surface (psig): 16	33.00 159	4 00 1599	00 1595.00	1604.00	1585.00	End Time	14.12			
Formation (psig) 41	04.00 410	4 00 4105	00 4105.00	4105.00	4106.00	Granh	Data			
Rate gal/min: 1	76.82 169	68 170	52 170.94	170 10	170 52	for	Julu			
Time: 3	5 min 40	min 45 n	nin 50 min	25 min	60 min	Point	#6			
Surface (psig):						Sfc psia:	1601.67			
						Encia	4104 83			
Formation (psig):						F PSIQ.	110-1.00 [
Formation (psig): gpm:				<u>.</u>		gpm:	171.43			
Formation (psig): gpm:			· · · · ·	Step 6 ha	is a target	gpm: bpd rate of:	171.43 5760			
Formation (psig): gpm: Step 7	Target g	1pm = 210.00) 5.03	Step 6 ha 3 bpm pmp'd f	is a target or Step 7	gpm: bpd rate of:	171.43 5760			
Formation (psig): gpm: Step 7 Target Test Rate	Target g 100% of max	3pm = 210.00 imum bpd/14) 5.03 40 = 5.000	Step 6 ha 3 bpm pmp'd f 3 bpm for Step	is a target or Step 7 7	gpm: bpd rate of:	171.43 5760			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5	Target g 100% of max min 10	;pm = 210.00 imum bpd/14 min 15 n) 5.03 40 = 5.000 hin 20 min	Step 6 ha 3 bpm pmp'd f 3 bpm for Step 25 min	is a target or Step 7 7 30 min	gpm: bpd rate of: Start Time:	171.43 5760 14:12			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5 Surface (psig): 18	Target g 100% of max min 10 13.00 181	3pm = 210.00 imum bpd/14 min 15 n 6.00 1812) 5.03 40 = 5.000 hin 20 min .00 1815.00	Step 6 ha 3 bpm pmp'd f 3 bpm for Step 25 min 1820.00	is a target or Step 7 7 30 min 1809.00	gpm: gpm: bpd rate of: Start Time: End Time:	171.43 5760 14:12 14:42			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5 Surface (psig): 18 Formation (psig): 41	Target (100% of max imin 10 13.00 181 09.00 411	ypm = 210.00 imum bpd/14 min 15 n 6.00 1812 0.00 4112	5.03 40 = 5.000 10 20 min 10 1815.00 10 4114.00	Step 6 ha 3 bpm pmp'd f 3 bpm for Step 25 min 1820.00 4115.00	is a target or Step 7 7 30 min 1809.00 4113.00	gpm: bpd rate of: Start Time: End Time: Graph	171.43 5760 14:12 14:42 Data			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5 Surface (psig): 18 Formation (psig): 41 gpm: 20	Target g (100% of max min 10 13.00 181 09.00 411 38.74 211	3pm = 210.00 imum bpd/14 min 15 n 6.00 1812 0.00 4112 .68 212.	5.03 40 = 5.0000 nin 20 min .00 1815.00 .00 4114.00 94 212.10	Step 6 ha 3 bpm pmp'd f 3 bpm for Step 25 min 1820.00 4115.00 210.84	s a target or Step 7 7 30 min 1809.00 4113.00 211.26	gpm: bpd rate of: Start Time: End Time: Graph for	171.43 5760 14:12 14:42 Data			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5 Surface (psig): 18 Formation (psig): 41 gpm: 20 Time: 3	Target (100% of max) min 10 13.00 181 09.00 411 28.74 211 5 min 40	gpm = 210.00 imum bpd/14 min 15 n 6.00 1812 0.00 4112 .68 212. min 45 m	5.03 40 = 5.0000 1in 20 min .00 1815.00 .00 4114.00 94 212.10 nin 50 min	Step 6 ha 3 bpm pmp'd f 3 bpm for Step 25 min 1820.00 4115.00 210.84 25 min	as a target or Step 7 7 30 min 1809.00 4113.00 211.26 60 min	Start Time: End Time: Graph for Point	171.43 5760 14:12 14:42 Data			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5 Surface (psig): 18 Formation (psig): 41 gpm: 20 Time: 3 Surface (psig):	Target (100% of max) imin 10 13.00 181 09.00 411 38.74 211 5 min 40	ypm = 210.00 imum bpd/14 min 15 n 6.00 1812 0.00 4112 .68 212. min 45 n	5.03 $40 = 5.0000$ $100 = 20 min$ $.00 = 1815.00$ $.00 = 4114.00$ $94 = 212.10$ $100 = 50 min$	Step 6 ha 3 bpm pmp'd f 3 bpm for Step 25 min 1820.00 4115.00 210.84 25 min	as a target or Step 7 7 30 min 1809.00 4113.00 211.26 60 min	Start Time: Start Time: End Time: Graph for Point Sfc psig:	171.43 5760 14:12 14:42 Data :#7 1814.17			
Formation (psig): gpm: Step 7 Target Test Rate (Time: 5 Surface (psig): 18 Formation (psig): 41 gpm: 20 Time: 33 Surface (psig): Formation (psig):	Target (100% of max imin 10 113.00 181 09.00 411 08.74 211 5 min 40	gpm = 210.00 imum bpd/14 min 15 n 6.00 1812 0.00 4112 .68 212. min 45 m	5.03 40 = 5.0000 nin 20 min .00 1815.00 .00 4114.00 94 212.10 nin 50 min	Step 6 ha 3 bpm pmp'd f 9 bpm for Step 25 min 1820.00 4115.00 210.84 25 min	s a target or Step 7 7 30 min 1809.00 4113.00 211.26 60 min	Start Time: bpd rate of: End Time: Graph for Point Sfc psig: F psig:	171.43 5760 14:12 14:42 Data #7 1814.17 4112.17			

Step / has a target bpd rate of::

Operator: DCP Midstream (Schlumberger Surface Press) Well: Zia AGI #1 (all perforation zones) API#: 30-025-42208 Lease: NM0149956 Date collected: 5/20/15 Sfc Loc: T-19-S, R-32-E, Sec 19 (2100 FSL & 950 FWL)

Step 8	Target gpm = 252.00			6.14	bpm pmp'o	<u>9947 i sa ang katan</u> an na pantané na s alahan		
Target Test	Rate (120% o	f maximum	bpd/1440 =	6.0000	bpm for Ste	ep 8		
Ţime	: 5 min ,	10 min	15 min	20 min	25 min	30 min	Start Time: 14:	42
Surface (psig)	2131.00	2096.00	2119.00	2122.00	2125.00	2131.00	End Time: 15:	12
Formation (psig)	4116.00	4117.00	4118.00	4120.00	4121.00	4121.00	Graph Data	
Rate gal/min	257.04	258.72	258.30	258.30	258.72	255.78	for	
Time	: 35 min	40 min	45 min	50 min	25 min	60 min	Point #8	
Surface (psig)	:					•	Sfc psig: 2120	0.67
Formation (psig)							F psig: 4118	3.83
gpm	:					,	gpm: 257	.81

Step 8 has a target bpd rate of: 8640

151P = 1106Expected Fluid Wt = 59116/92/ Top Perf taking Fluid @ 5907' per Inj profile Step Rate test fluid was 93 16/g2/ $\frac{5907' \times 9^{-316}}{9^{\pm 1}} \times \frac{19^{\pm 1}}{19^{25}} = 2854 \text{ psi Hydrostatic } 9^{-34}/921$ 2854 + 1106151P = 3960 psi closing frac pressure@5907 pert $\frac{5907' \times 5^{\frac{91}{191}}}{91} \times \frac{1921}{19^{25}} = 1814 \text{ psi Hydrostatic 5} \frac{91}{192} \frac{\#}{921}$ 3960 - 1814 = 2146 psig Q well head 2146 psig is somewhat less than the 2233 psig approved by NMOCD Administrative Order R-13809 and is dependent on the estimated Acid Gas Fluid Weight. Therefor after the Acid Gas Hydrostatic pressure is determined by installed pressure recorders at the wellhead and at the formation an acceptable wellhead pressure is to be recalculated and 04/29/2015 zgreed ON. Schlumberger Surface Pressure Data

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Figure 1 Graph of Cudd Energy Services and Schlumberger Surface Pressure Data





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