Form 3160-5 (August 2007)		UNITED STATES PARTMENT OF THE INT JREAU OF LAND MANAGI		oco Ho	as ocb	FORM OMB N Expires	APPROVED 10. 1004-0135 : July 31, 2010
		NOTICES AND REPOR		104 00			
abar	idoned wel	l. Use form 3160-3 (APD)	for such pro	posals. MAR	1 6 201	6. If Indian, Allottee	or Tribe Name
SUB	MIT IN TRI	PLICATE - Other instruction	ons on rever		ECEIVED	7. If Unit or CA/Agro	cement, Name and/or No.
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Oil Well Gas Gas Anne of Operator		the second s	BERTO A G	UTIERREZ		9. API Well No.	
DCP MIDSTREAM	I LP	E-Mail: aag@geolex.	com			30-025-42208-	
3a. Address 370 17TH STREE DENVER, CO 802	208 5406	00 F	Phone No. (II Ph: 505-842-8	nclude area code) 8000		10. Field and Pool, of AGI	· · ·
Sec 19 T19S R32		L, R., M., or Survey Description)				11. County or Parish, LEA COUNTY,	
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NMOCC-approved approved APD for recoverable hydror conducted an exte geophysical logs, i injection zone and form and its two at zone does not con The portion of the	submitting l injection zo this well. Ir carbon pote nsive analy mudlogs, ar its caprock tachments of tain any rec Lower Cher	this request for permission to one within the Brushy Canyon order to obtain this approv- ntial of the approved injectio sis of the detailed well logs and analysis of sidewall core . The results of this detailed (Attachments A & B) clearly coverable hydrocarbons. ry Canyon and the Brushy (available data obtained dur	on/Cherry Car al, DCP is rec on zone. To a for the well in samples retric d analysis whi demonstrate Canyon sands	nyon Formation quired to assess accomplish this cluding a full s eved from the p ch are summa that the propo-	ns consister s the s DCP has uite of proposed rized in this sed injectio	n • been PROVE	2015
14. I hereby certify that the		true and correct. Electronic Submission #29 For DCP M mmitted to AFMSS for proce	3853 verified b IDSTREAM LP ssing by ED Fl	y the BLM Well , sent to the H ERNANDEZ on	I Information obbs 03/10/2015 (n System	ND MANAGEMENT
Name(Printed/Typed)	ALBERTO	A GUTIERREZ		itle GEOLE	X CONSUL	TANT TO DOP A	U HILL
Signature	(Electronic S	Submission)	E	Date 03/04/20	015	BO. CHIL	
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Approved By_EDWAR Conditions of approval, if a	nv. are attache	d. Approval of this notice does no	ot warrant or	TitlePETROLE	<u>UM ENGIN</u>	EER	Date 03/10/2015
which would entitle the app	licant to cond			Office Hobbs		<u> </u>	- <i>N</i>
		U.S.C. Section 1212, make it a cr statements or representations as to			willfully to m	ake to any department c	r agency of the United
SEE A	ТТАСН	ISED ** BLM REVISED	** BLM REV	'ISED ** BLN		D** BLM REVISE	-1
COND	ITIONS	of Approval			U B	nn 7 è èà	e OU

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Additional data for EC transaction #293853 that would not fit on the form

32. Additional remarks, continued

December 2014 to February 2015. The results of these analyses indicate that the small indications of residual hydrocarbons detected in portions of the proposed injection zone are not recoverable and the zones are wet with residual water saturations in excess of 40%. Based on the analyses detailed in the attachments to this form, DCP requests BLM approval to perforate the subject well at the depths indicated within the NMOCC-approved injection zone for the Zia AGI #1. DCP intends to initiate completion of the well immediately upon BLM approval of this proposed perforation place. Approval injection zone, DCP will conduct and extensive series of injection zone, PLW will be not provided to the approved injection zone, PLW will be not contacted with the set tests and the test results will also be provided to the BLM following analysis bubCP and their consultants. This work will be conducted under the current BLM both of this well which is Bond Number 105982905 already on file with the BLM.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL

Sundry dated 3/4/2015

	OPERATOR'S NAME:	DCP Midstream LP
	LEASE NO.:	NM0149956
i	WELL NAME & NO.:	1-Zia AGI
	SURFACE HOLE FOOTAGE:	2100'/S & 950'/W
	BOTTOM HOLE FOOTAGE	2305'/N & 750'/W
	LOCATION:	Sec. 19, T. 19 S., R. 32 E.
	COUNTY:	Lea County, New Mexico
		·

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

CIT / MIT tests

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

- 1. Surface disturbance beyond the existing pad must have prior approval.
- 2. Closed loop system required.
- 3. Hydrogen Sulfide has been reported as a hazard in formations in the area. It is recommended that monitoring equipment be onsite for potential Hydrogen Sulfide. If Hydrogen Sulfide is encountered, please report measurements and formations to the BLM.
- 4. 3000 3M BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 (3M diagrams of choke manifold equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 5. The BLM concurs with the operator that the results of the enclosed analyses indicate that there are small indications of residual hydrocarbons detected in the proposed injection zone with water saturations in excess of 40%. <u>However the BLM will require that swab testing be done on the well for at least one day after all the perforations have been done on the subject well.</u> <u>Report results to the BLM.</u>

Page 1 of 2

- 6. The Operator shall submit a <u>detail completion procedure</u> on an NOI Sundry with a wellbore diagram and a casing tally of the 7" production casing with the CRA Packer joint(s). The current sundry does not provide a detail completion procedure.
- 7. The BLM will allow simple injection test to be done on the well once the results of the swab testing has been completed.
- 8. However, DCP will be required to submit a NOI Sundry to run a Step rate test describing their complete step rate procedure.

WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

EGF 031015

Page 2 of 2



ATTACHMENT A

RECOVERABLE HYDROCARBON AND INJECTION POTENTIAL EVALUATION

DCP MIDSTREAM LP ZIA AGI #1 Sec. 19- Twp. 19S-32È

Lea County, New Mexico

Prepared for DCP Midstream LP

By

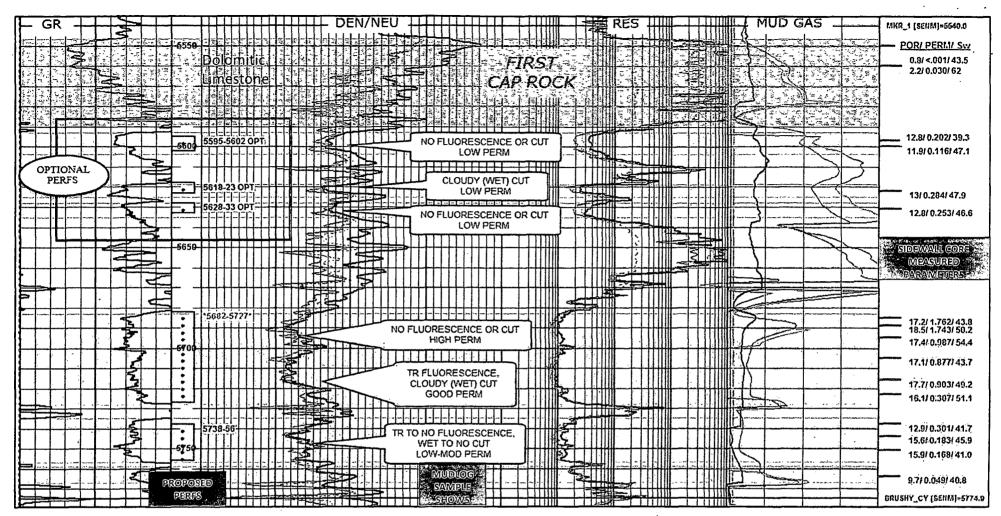
Geolex, Inc. 500 Marquette, NW Suite 1350 Albuquerque, NM 87102

February 24, 2015

SUMMARY OF FACTORS CONSIDERED IN RESERVOIR EVALUATION FOR RECOVERABLE HYDROCARBONS AND INJECTION SUITABILITY

- The successful evaluation of recoverable hydrocarbon potential, and reservoir and cap rock properties, using sidewall cores, requires the careful consideration of the limitations of the samples since each actual sidewall is only representative of a small portion of the formation at each sample location. The overall evaluation of the cap rock and reservoir requires the simultaneous consideration of various data types and sources to arrive at a reasonable conceptual model of predicted injection performance. These data types are evaluated and considered in this analysis, and include the complete geophysical log suite for the well including the triple combo, porosity, and resistivity logs, mudlogs, drilling condition reports, and onsite observations. The overall evaluation and recommendations include herein for completion are the result of the analyses and evaluation of these multiple data types. *Injection and fall off testing will result in direct observation of injection pressures at varying flowrates and will be considered, in addition to the analyses presented herein, to predict the ultimate injection performance of the reservoir.*
- The facies that were sampled in the lower Cherry Canyon to upper Brushy Canyon Members of the Delaware Mountain Group are dominated by turbiditic clastic sediments, which are variously composed of consolidated shales, siltstones, and sandstones. *The sandstones, which are the intended injection zones, are generally described in sidewall core samples as fine- to very fine-grained, with occasional low residual (non-recoverable) hydrocarbon shows, and water saturations consistently above 40%.* Gamma ray log measurements confirm the grain size attributes of the sands. Core-measured permeabilities in these sandstones range from less than 0.10 to 1.7 millidarcies (mD). *This part of the Delaware section is not productive within or immediately outside of the area of review.*
- Porosity measurements of sidewall cores taken in the Zia AGI #1 generally correspond well to measurements made with the downhole porosity log (Density-Neutron), although relative permeabilities do not show the same correspondence (likely because of varying filtrate invasion during drilling). For this reason it is equally important to consider the corresponding log signatures, drilling notes and experience with the subject formations.
- In the following pages, we have divided the intended gross injection interval into three (3) log composite segments (lower Cherry Canyon, upper Brushy Canyon, and the lower part of the upper Brushy Canyon) to integrate the results of the sidewall core analyses and mudlog monitoring, the lithologic architecture of the interval, and the preliminary proposed injection perforations. *These consolidated log composites, along with the supporting data, form the basis for the determination of no recoverable hydrocarbons in the proposed injection zone.*



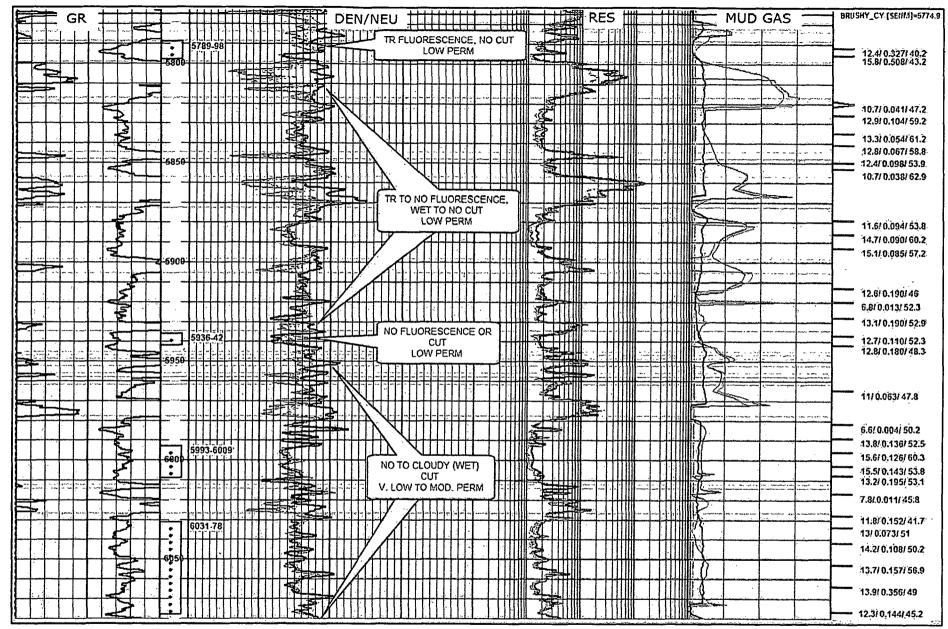


LOWER CHERRY CANYON

For each of these composite log sections sandstones are shaded in pink. The numbers on the far right (Sidewall Core Measured Parameters) refer to Porosity(%)/Permeability (mD)/Sw(%) values for sidewall cores collected at the dark red tick points. Mudlogger observations are shown in the middle track. Proposed perforations are shown in black (dots) on the depth track. The proposed injection perforations are all in sandstone units throughout the proposed injection interval. Highlighted perforation intervals refer to higher porosity-perm sandstones.

This part of the injection interval is in the lower Cherry Canyon Member of the Delaware, and is characterized by coremeasured sandstone porosities ranging from 9.7% to 18.5%, and measured permeabilities ranging between 0.049 to 1.76 mD. Cores showed mineral and residual oil fluorescence, but *no indication of movable hydrocarbons*, which confirmed mudloggers' observations on sample fluorescence and cut. Three thinner-bedded sands at the top of this sequence will be reserved as optional injection zones. The gas seen on the mud gas log represents minor shale gas or residuals in wet sandstones, which is also confirmed by the core measurements.





UPPER BRUSHY CANYON

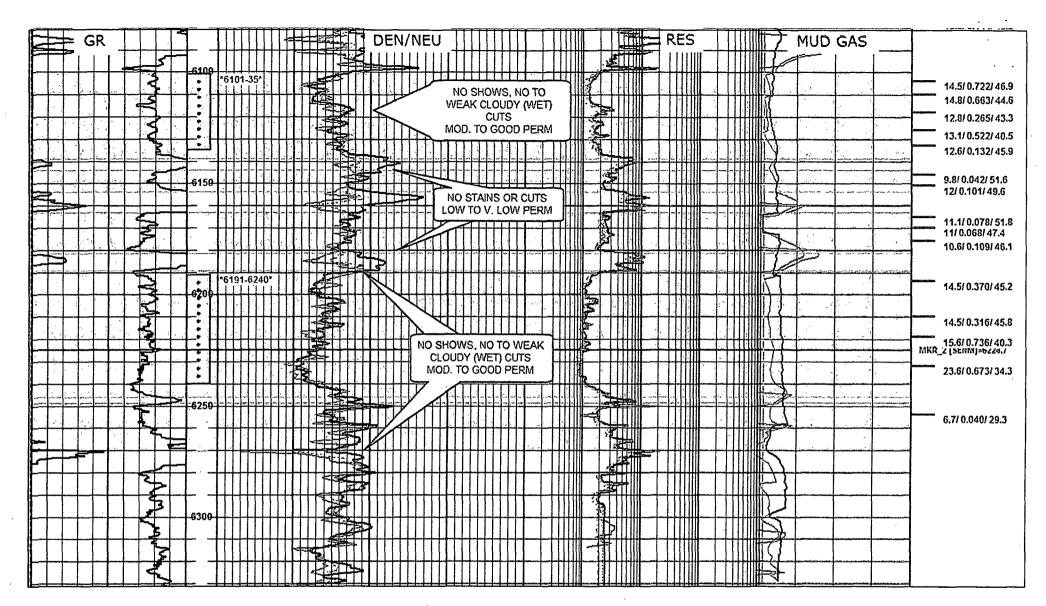
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The upper part of the upper Brushy Canyon injection interval is characterized by sandstones with measured porosities ranging from 6.6% to 15.8%, and measured permeabilities between 0.004 to 0.508 mD. There were *no sample shows above trace levels in cuttin*gs, and any trace gas was generally confined to the shales. Sidewall cores only showed sporadic to spotty residual oil fluorescence.

The second





UPPER BRUSHY CANYON (Lower Part)

PORATED

The lower part of the upper Brushy Canyon injection interval is characterized by sandstones with measured porosities ranging from 6.7% to 23.6%, and measured permeabilities between 0.040 to 0.736 mD. There were *no sample shows in cuttings*, and any trace gas was confined to the shales. Sidewall cores show only sporadic and spotty residual oil fluorescence. *The two perforation zones shown here are expected to be two of the three best injection zones in the interval, together with the zone from 5682-5727'.*



SUMMARY OF RESERVOIR CHARACTERISTICS OF THE PROPOSED INJECTION INTERVAL DEMONSTRATES NO RECOVERABLE HYDROCARBONS

- Injection is proposed into fine- to very fine-grained sandstones of the lower Cherry Canyon to upper Brushy Canyon Members of the Delaware Mountain Group in the Zia AGI #1 well. This interval is *not productive of hydrocarbons in the area* (other wells to the south produce from deeper in the Brushy Canyon). *This zone looks so unpromising that it was not even tested in any wells locally.*
- Mudlog sample shows throughout the injection interval are essentially absent and the few shows which were noted were very weak. Sample cuts, in the few places found, were likewise weak and often milky, indicating the prevalence of water-wet sands throughout the entire proposed injection interval. *This clearly indicates the lack of any movable (recoverable) hydrocarbons.*
- Core analysis shows consistent water saturations throughout the injection interval, and spotty to residual fluorescence and mineral fluorescence, which also indicate the lack of recoverable hydrocarbons when combined with the lack and quality of mudlog shows.
- The minor gas shows which were detected within the proposed injection interval are primarily from shales, with some possible residual gas in the upper 40 feet of the injection interval. Gas shows are very sporadic and much weaker below the upper 40 feet of the interval.
- The three primary or best sands in the proposed injection interval (indicated in yellow highlights on previous pages) have the highest permeability of all the proposed injection zones, with no or wet sample cuts, and will be the primary focus of injection testing in this well.



CONCLUSIONS AND RECOMMENDATIONS

- Sidewall core results show consistent lithologies in the sandstone units that are recommended for perforation and use as injection reservoirs. All of the sandstones sampled with sidewall cores are fine- to very fine-grained, sub-angular to sub-rounded, silty, and sporadically laminated, which was also confirmed with the Formation Micro-Imager (FMI) log. Porosity, which is matrix porosity, is generally over 11% in most of the sands, with no tectonic fractures evident on the FMI log. Permeability is the most variable parameter, ranging from very low to high (for these sands).
- While core measurements, compared with log-indicated porosity and permeability, indicate the Delaware sands outlined above for perforations, *DCP may wish to consider perforating the entire proposed injection interval* and observing the differential performance of the various component sands using the DTS and temperature profiles obtained during the injection and falloff testing to be conducted after the zone is perforated.
- Alternatively, if a selective perforation strategy were to be employed, a phased approach to perforating and testing could be used by perforating the injection zone in the depth intervals shown on the following page. This considers that the three highlighted zones identified as higher porosity and permeability sands are likely to be the best potential injection zones, followed by the remaining sands indicated in pink brown and the upper zones indicated as optional immediately below the caprock.

END OF ATTACHMENT A

SUMMARY OF RECOMMENDED SELECTIVE PERFORATIONS

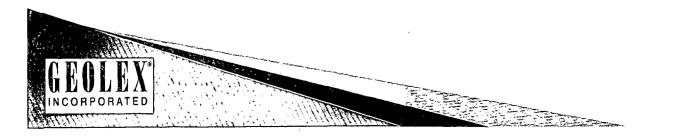
<u>TVD, Ft.</u>

5595-5602¹ Lower Cherry Canyon Optional- thinner-bedded sandstone, low perm, good caprock
5618-5623¹ Lower Cherry Canyon Optional, low permeability
5628-5633¹ Lower Cherry Canyon Optional, low permeability
5682-5727* Lower Cherry Canyon Higher porosity and good to high permeability
5738-5756 Lower Cherry Canyon Good porosity, low to moderate permeability
5738-5798 Upper Brushy Canyon Good porosity, low permeability
5936-5942 Upper Brushy Canyon Good porosity, low permeability
5993-6009 Upper Brushy Canyon Good to higher porosity, low permeability
6031-6078 Upper Brushy Canyon Good porosity, very low to moderate permeability
6101-6135* Upper Brushy Canyon Good porosity, moderate to good permeability
6191-6240* Upper Brushy Canyon Good to high porosity, moderate to good permeability

* Higher porosity-permeability zones

¹ Optional zones

These zones are recommended to be perforated using 6 shots per foot, 60° phasing; however, it may be advisable given the nature of the formation to perforate the entire proposed injection interval. Even if not much additional storage is available and while the proposed zones will almost certainly take most of the fluid, even an additional 10% gain in ease of injection and overall storage due to perforating the entire interval would be desirable even considering the additional perforation expense.





ATTACHMENT B

MUDLOG 5,500' TO TD

APPROXIMATE PROPOSED INJECTION ZONE 5595' – 6240' MD 5443' – 6088' TVD



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III					PRED AMOR TO OCC SUBELKY TO SUBSPLT. FRED GRTY TAT TO SLTY TAT. IMED SLTST & SCAT				
2				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	SS, NO FLUOR, NO FOR, GD FAST STRM - CLDY CUT, MOD FLYL -	ZER	CED SENSORS 3020		
¥	┿╇┥╄┿	₽			SANDSTONEL PRED MEDLTOY -	É			
					OCC CLR - TN, FRED WFN GRN TO CCC FN GRN, FRED SUBANG	12	FEH-F	-	(
╏┼┼	INC 16.91 AZM 27.47 TVD 5542.72*			Le stad	TO SUBEND, PRED MOD SATD TO SCAT W SRTD: FRED MOD CONS TO OCC LSEY CONS, PRED CALC CMT TO SCAT ARG CMT TO TR SIL	17	₹₹┼┼┼┾┼┥	-	
		LE			CMT TO SCAT ARG CMT TO TR SIL	19			have a second second

Midstream.

	5700	TI: OOC SLTY'S TR DOL'NO R. NO STU.:NO FLUOR: NO R. NO STU.:NO FLUOR: NO HALE: PRED MEDDRKGY - OCC KYEN - BNSHELK FRED FRM. ED AMOR TO OCC SUBSLKY. ED AMOR TO OCC SUBSLKY. ED STITY TO SLTY TXT. ED STITY TO SLTY TXT. ED STITY TO SLTY TXT. ED STITY. NO FLUOR. NO FOR. FAST STIRM - CLDY. CUT. MOD YL - MLORNG RNG. NDSTONE: MLKY - LTGY - TR MEN GRN: SUBJANG TO SCAT INTGR FOR. NO STN. 15% TF FLUOR: NO CUT. NO RNG. INT FAM. SUBJANG GRIY TXT. LC. TR INTGR FOR. G MLKY IT. FNT.FAYERNG. NDSTONE: MLKY -LTGY - TR . VIFN GRN. SUBJANG GRIY TXT. LC. TR INTGR FOR. G MLKY IT. FNT.FAYERNG.	PULAP SV/JEEP
EQLEX	WOE 8 RPM 300 SPM 416 S	IT, FNT PAYL RNG. NDSTONE: MLKY - WLTGY - M, VIEN GRN TO SCAT EN GRN. BANG TO TR ANG, WAERTD, BANG TO TR ANG, WAERTD, BY CONS TO MOD CONS, CALC IT, FRINTGE FOR, NO STN, 5%. LTYL FLUOR, NO GUT, NO IG. ALE: MEDDRKGY - LTEN, FRM ITY S AREN TXT, SCAT CALC. G Y CUT, LT FAYL RNG. ACE SILTSTONE NDSTONE: MLKY - VILTGY - IM, WIEN GRN TO SCAT EN GRN. BANG TO TR ANG. W.STD. EY CONS TO MOD CONS: CALC IT, FRINTGR FOR, NO STN, 5%.	874

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	SHALE: DRKQY - MODEN - TR		,	· .
	LTEN, FRI TO SCAF FRM. BLKY TO OCC SUBELKY, CRTY TXT. TR			• •
	SANDSTONE: LTGY - MEDGY - RNG: SANDSTONE: MLKY - LTGY - TR LTEN, VIEN GRN, SUBANG, W SRTD, PRED MOD CONS TO TR LSEY CONS, CALC CMT. TR ARG, FR INTER FOR, NO STN, NO CUT, NO RNG. SHALE: MEDGY - LTEN, FRI TO TR FRM, SUBBLKY, GRTY & AREN TXT, TR CALC, TR INTER FOR, G STEMG CUT, LT STRW RNG, SANDSTONE: LTGY - MEDGY -			
	E SEY CONS. CALC CMT. TR ARG. FR INTER FOR, NO STN. NO CUT. NO RNG.			
	SHALE: MEDGY - (TEN, FRI TO TR FRM, SUBBLKY, GRTY & AREN TXT, TR CALC, TR INTOR FOR, G			
	I RETAILE MAY THURSDAY CAN BAR SUCANCE TY STOL			
	OCC SILCHT, TRARG FRINTER	CG 2080		
	SANDSTONE: MLKY - LTGY, FN			
	GRN TO V/FN GRN, SUEANG TO SCAT AND, W SRTD, JEEV CONS, SIL CMT TO SCAT CALC CMT. SIL CMT TO SCAT CALC CMT. SCAT ARG, TT INTGR FOR, NO STN, NO CUT, NO RHG.			
MD 5935 INC 16.86 INC 16.86	A DOCC CALC FLK. NO FOR, WEAK			
	CLOY CUT, FNT STRW RNG			
	GRN TO VEN GRN. SUBANG TO SCAT ANG, W STD. LSEY CONS. SIL CAN TO SCAT CALC CON.	H25 1.75ppm	10 Mar	
	SHALE: LTEN - DRÄGY, FRM TO TR SFT, SUEELKY, GRTY TXT, SIL & OCC CALC FLK, NO POR, WEAK CLEY CUT, FNT STRW RNG. SANDSTÖNE: MLKY - LTGY, FN GRN TO WEN GRN. SUEANG TO SCAT ANG, W SRTD. LSEY COMS. SIL CMT TO SCAT CALC CMT. SCAT ARG, TR INTOR FOR. HO STN, NO CUT, NO RNG.	MW 9.3 Vis:29 FIL NIR CK NIR	4	
PP 1753 PM 1231 PM 1231 <t< td=""><td></td><td>BH NIR CL NIR GAS 300 y</td><td></td><td></td></t<>		BH NIR CL NIR GAS 300 y		
	NO STN. WEAK CLEY CUT. FNT	CG 550 4 C		
	PRED FRM TO TR FRI. MOD SRTD. SIL CMT TO TR CALC CMT TO ARGUITAX CMT. TR INTER FOR. NO STN. WEAK CLDY CUT. FNT FAYL RNG. SANDSTONE: MLKY -OFF WH - V/LTGY. WFM GRN. SUBANG TO TD AMG. WE SDTD PREDISE/	DT 690	to a second re-	
	TR ANG, W SRTD, PREDISEY CONS TO OCC MOD CONS, PRED SIL CMT TO SCAT CALC CMT. SCAT ARG, FF INTER POR. NO			
	SHALE: DRKGY -LTEN, FRI. SUBELKY, GRY TXT TO HED TXT.			
	SANDSTONE: MLKY -OFF WH- V/LTOY, WFN GRN, SUBANG TO TR ANG, W SATD, PREDLSEY CONS TO OCC MOD CONS, FRED SIL CMT TO SCAT CALC CMT. SCAT ARG, FR INTER FOR. NO STM. NO CUT, NO RNG. SHALE: DRKGY - LTEN, FRI. SUBELKY, GRYT TAT TO MED TAT. SIL, TR.INTER FOR. NOCUT, NO RNG. TRACE SILTSTONE SANDSTONE: MLKY - LTDY, EN.			
GROLEX [*]	SANDSTONE MUKY . LTOY EN.	╟╫╲┊╧╧╌┝╌┝╼┝╼┝╼┥		
INCORPORATED			IJ	Midstrěam.

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			SIL CMT TO SCAT CALC CM SCAT ARO, TR INTOR FOR, STN. NO CUT. NO RNG.	Ño III III III III III III III III III I	
			SHALE: LTEN - DRKGY, FRA SHALE: LTEN - DRKGY, FRA TR EFT, SUBELKY, GRTY TZ C CALC FLK, NO FOR.		
			SHALE: LTEN - ORKGY. FR. TR SFT, SUBELKY, GRTY TX & OCC CALC FLK. NO FOR. CLDY CUT. FNT STRW RNG TRACE SILTSTONE SHALE: MEDDRKGY - LTEN. FRI TO SCAT FRM. SUBELK		
			SHALE: MEDDRKGY - LTEN. FRI TO SCAT FRM. SUBELK GRTY IXT TO SCAT MED TX TR FN TXT. SCAT SLAT TR HA		
			LAS WATER SWATTERS		
			SILISTONE: DRKGY - MODE		
			SIL CMI TO TR CALC CAN'T ARGMTRX CMIT. TR INTER NO STN: WEAK CLOY CUT. I PAYL RNG.		
			SANDSTONE: MLKY 10FF W		
			TR ANG. W SRTD. FREDLS		
	MD 6140'		SIL CAT TO SCAT CALC CM SCAT ARG. FR INTGR POR. STAT ARG. FR INTGR POR. STAT NO CUT. NO RNG. SHALE: DRK3Y - LTEN, FRI.	NO 11/230	
	AZM 26,37 TVD 5982.28		SHALE: ORKOY - LTEN, FRI. SUBELKY, GRTY TXT TO ME SIL. TR INTER FOR. NO GUT	D TX7.	
	6150		SHALE: DRK39' - LTEN, FAIL SUBJEKY, GRTY TAT TO ME SIL. TR INTGR FOR. NO GUT RNG. TRACE SILTSTONE		
				OFF 750	
	and the first part have been and the second s		WH. WFN GRN. SUBANG. W LSEY CONS TO MOD CONS. SIL CMT TO TR CALC CMT.	SRTD. APPEnder	
			NO RNG:		
			SANDSTONE: MILKY - LTGY - WYA, WFN GRN, SUBANG, W LSEY CONS TO MOD CONS. SIL CANT TO THE CALC CATE, FR INTER FOR, NO STNI, NO NO RNG: SHALE: DRKGY - LTEN, FRM. TR FRI, SUBELKY, GRTY TX FN TXT, SIL, SLOW LZY CUT STRW RNG. TRACE SILTSTONE	ENT DEBU	
			TRACE SILTSTONE		
				OFF	
	WOB 5 RPA1 30 FP 1650 SPM 420		SANDSTONE: MLKY - LTGY VH, WEN GRN. SUEANG, W LSEY CONS TO MOD CONS SIL CMT TO TR CALC CMT. FR INTER FOR. NO STN, NO	RED RED ARG, CK NIR DH NR CL NR	
			NO RNG.	H25 3.05ppm	
			TR FRI, SUBBLKY, SRIY TK		
			STRUY RING.		MKH 2 SENM1=6224.7
	MD 6232 INC 16.52 AZM 26 77		SANDSTONE: MLKY - V/LTG		
CRALRY		I [8 ⁴ * * * * * * * i]	Holdson Therein and an and a construction of the to the to	CT49 H.H.W. I 42 9 I I F F F F F	
			n		Midstream.
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MD 6232' INC 18.52		SANDSTONE: MLKY - VILTGY -	╟╁╢╼┼╾╠╍┼╼┼╍┼╍┼╍┼╍┼╸
AZM 26,77 TVD 6069.47		MEDLIGY, FN GRN TO TR. V/FN GRN. SUBANG, W SRTD, LSEY CONS, FRED SIL CMTTO TR CALC CMT. ARG: FR INTGR POR. NO STN. NO CUT. NO RNG,	
		SHALE: MEDDRKGY -LTEN. FRI.	
		OUT, STRW RNG. TRACE SILISTONE	
	18 24	SUBANG TO OCC SUBRND. PRED	ST SEU RIG SERVICE
MD 6272' INC 19.38 AZM 26.46 TVD 6107.42'		WIN GER TO DOC SUERND. FRED SUEANG TO DOC SUERND. FRED LSEY CONS. FRED SIL CMT TO TR CALC CMT. ARG. FRI INTER FOR. NO STN. NOCUT: NO RNG. SHALE: FRED MEDDRKGY - CCC LTBN. FRED FRI. SUBELKY TO AMOR. GRTY TXT TO SLITY TXT. SIL. NO FOR. WEAK CLDY CUT. STRW.RNG. TR SILTSTONE TR COAL FLOAT IN SAMPLE	
		Shale: Fred Meddrkoy - OCC LTEN. Fred Fri. Subplky To Amor. Grty TXT To Slty TXT. Su. No 572 Neak Cluy Cut	
		STRW RNG. TR SILTSTONE	H25 3.75ppm
6300		TR COAL FLOAT IN SAMPLE	
		TD ON 01/25/15 @ 16/20. LOGGERS KEPT ON LOGATION TO	
		LOGGERS KEPT ON LOCATION TO HELP LOG CORES. RIG WILL BE MOVED ACROSS LOCATION TO BEGIN ZIA AGI #2. THANK YOU FOR CHOOSING SELMAN AND	
		ASSOCIATES, LTD.	



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RPORATED

CONDITIONS OF APPROVAL

Sundry dated 3/4/2015

OPERATOR'S NAME:	DCP Midstream LP
LEASE NO.:	NM0149956
WELL NAME & NO.:	1-Zia AGI
SURFACE HOLE FOOTAGE:	2100'/S & 950'/W
BOTTOM HOLE FOOTAGE	2305'/N & 750'/W
LOCATION:	Sec. 19, T. 19 S., R. 32 E.
COUNTY:	Lea County, New Mexico

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

CIT / MIT tests

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

- 1. Surface disturbance beyond the existing pad must have prior approval.
- 2. Closed loop system required.
- 3. Hydrogen Sulfide has been reported as a hazard in formations in the area. It is recommended that monitoring equipment be onsite for potential Hydrogen Sulfide. If Hydrogen Sulfide is encountered, please report measurements and formations to the BLM.
- 4. 3000 3M BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 (3M diagrams of choke manifold equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 5. The BLM concurs with the operator that the results of the enclosed analyses indicate that there are small indications of residual hydrocarbons detected in the proposed injection zone with water saturations in excess of 40%. <u>However the BLM will require that swab testing be done on the well for at least one day after all the perforations have been done on the subject well. Report results to the BLM.</u>

- 6. The Operator shall submit a <u>detail completion procedure</u> on an NOI Sundry with a wellbore diagram and a casing tally of the 7" production casing with the CRA Packer joint(s). The current sundry does not provide a detail completion procedure.
- 7. The BLM will allow simple injection test to be done on the well once the results of the swab testing has been completed.
- 8. However, DCP will be required to submit a NOI Sundry to run a Step rate test describing their complete step rate procedure.

WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

EGF 031015

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