LAW OFFICES OF

## MICHAEL DANOFF & ASSOCIATES, P.C.

MICHAEL L. DANOFF BRETT J. DANOFF RYAN P. DANOFF RECEIVED OCID

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OUR FILE NO.

4661-A26

July 29, 2015

VIA EMAIL ONLY

Ernest L. Padilla, Esq. PO Box 2523 Santa Fe, NM 87504-2523

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Mr Michael McMillan 1220 South St. Francis Drive Santa Fe, NM 87505

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Mr. Phillip Goetze 1220 South St. Francis Drive Santa Fe, NM 87505

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Mr. William V. Jones 1220 South St. Francis Drive Santa Fe, NM 87505

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Mr. Katherine Moss, Esq. PO Box 1148 Santa Fe, NM 87504-1148

Re: Protest of Drilling of New Salt Water Disposal; Cooper 17 Well #1

Dear Ladies and Gentlemen:

I am writing on behalf of my client Randy Briggs in regard to the above captioned matter. I previously sent a letter on February 16, 2015 and in anticipation of the hearing on August 6, 2015, I am providing a revised copy of the letter. My client is providing this notice of protest in response to Oasis Water Solutions, LLC's public notice of application to the NMOCD to drill and complete a salt water disposal well (the Cooper 17 well #1) for the following reasons;

- You should be advised that notice of intent was not published in the Hobbs NM newspaper, which is the appropriate newspaper for where subject well is to be located.
- 2. A form was submitted by Horizon Oil and Gas reports the original drilling, casing, and cementing operations. It indicates 13 3/8 inch surface casing set at 250 feet, cemented to surface, 8 5/8 inch casing set at 1215 feet, also with cemented circulated to surface. Please see the Oil Conservation Division report dated July 9, 1987 attached hereto as Exhibit 1.

- 3. A form submitted by Horizon Oil and Gas reports five and a half inch (5 1/2") casing ran to 6539 feet, and cemented with 820 sacks cement. Of important note is that this cement job was evidently done in one operation without the use of a DV tool. There is no report of circulation, no report of waiting on cement after first stage cementing, and no verification of cement top by bond log or temperature survey. The only TOC notes is an estimation by calculation. Please see the Oil Conservation Division report dated August 13, 1987 attached hereto as Exhibit 2.
- 4. Attached hereto as Exhibit 3 is a portion of the original drilling report in which formation tops were noted.
- 5. A form submitted by Smith & Marr, Inc. details the steps taken to convert this well from a producing well to a salt water disposal well. The top and bottom perforations permitted for SWD service are in "the lower San Andres". The well was put into SWD service in February 2006. Please see Oil Conservation Division Report dated February 20, 2006 attached hereto as Exhibit 4.
- 6. On or about July 1, 2014 subsequent to the well being transferred to J. Cooper enterprises, notice was given to the NMOCD that a pressurized water flow had been discovered at surface (in the 5 1/2" x 8 5/8" annulus), the well had been shut in, and disposal activities were ceased. Please see Oil Conservation Division Reported dated July 1, 2014 attached hereto as Exhibit 5.
- A form dated October 1, 2014 was submitted to NMOCD on October 1, 2014 reporting the remedial work that had been done to the well during the months of July 2014, and August 2014. Please see Oil Conservation Division Reported dated October 1, 2014 attached hereto as Exhibit 6.
- 8. On or about July 2014, work was done on the well to attempt down hole repairs. On July 7, 2014, twelve (12) joints of three and a half inch (3 1/2") injection tubing were being pulled and laid down. Three (3) of those joints had holes due to corrosion. On July 8, 2014 thirty-five (35) joints were pulled and laid down that had holes, and one hundred seven (107) joints were pulled and laid down that did not have holes. On July 11, 2014 a retrievable bridge plug was ran to 4,253 feet and set in the five and a half inch (5 1/2") casing. A packer was then set immediately above the bridge plug, and there was an unsuccessful attempt to pressure test the bridge plug. The bridge plug was subsequently moved to 4,237 feet and reset. Again a successful pressure test could not be achieved on the bridge plug. During the day, the plug was moved a total of nine (9) times and retested, all testing events resulting in failed pressure tests. The bridge plug was then ran back down to 4,188 feet and reset in the five and a half (5 ½) casing. Fourteen (14) subsequent pressure tests with the packer set at depths ranging from 1,159 feet to 3,517 feet resulted in

- failed tests. On July 14, 2014 the compression type packer was pulled and a tension type packer was ran. Good casing was subsequently proven by pressure testing only ABOVE the packer when set at 1,159 feet. Please see the daily log attached hereto as Exhibit 7.
- 9. There is no record of the bridge plug that had been set at 4,188 feet ever having been pulled. However, on this day a cast iron bridge plug was ran and set on wire line at 4,300 feet in the five and a half (5 ½) casing. Also on this date a gamma ray log was pulled "to 3,200 feet". It is not reported from what depth the log was pulled. If the log was run to discover top of cement no TOC was subsequently reported.
- 10. On July 18, 2014 it was reported that the casing was squeezed with twenty (20) BBLS water glass, and seven hundred (700) sacks cement. The method used to squeeze was not reported.
- 11. On July 21, 2014 a drill bit was run, and cement was tagged at 1325 feet. However, the hole could not be circulated for drilling.
- 12. On July 22, 2014 the well was squeezed with twenty (20) BBLS water glass and 200 sacks cement. This was accomplished by displacement down casing behind a wiper plug.
- 13. On August 8, 2014 a cement retainer was run to 1105 feet and set.
- 14. On August 19, 2014 one hundred fifty (150) sacks cement were pumped through the retainer at 1105 feet. No pump pressures were reported.
- 15. Exhibit 8 is a graphic of assumed current well conditions.

Because of the above reported activities and indicated well conditions at the T. Anderson well #1, my client objects to the permitting of the Cooper 17 well #1 for disposal use. During the course of all work done to the Anderson #1, no successful casing test was ever accomplished between the packer and bridge plug. The only successful pressure was above the packer and only identified the upper extent of bag casing, not the lower extent. Also, the CIPB currently set at 4300' was not tested, and there is no verification whatsoever that the plug is properly set or is holding properly. There is also no report of the CIBP being capped with the cement, as is common practice. Because the casing is obviously has breeches to the salt, and the salt is well known in this area to be wet, there is no reason to believe that any squeeze resulted in cement staying behind the five and a half inch (5 1/2") production string as would be required to prevent brine flow from the salt. It would also be reasonable to expect that flow could be passing the untested CIBP currently set above the San Andres, potentially resulting in flow to higher productions zones. It is logical that the radioactive log that was ran was to identify TOC; however, no TOC was reported. Considering that original reports suggest this well was cemented from

6,539 feet in one stage without the use of a multi stage cementing tool, and considering the great extent of five and a half inch (5 1/2") casing that would not test, it would be very reasonable to predict a very poor TOC. Further, this well is located in an area of high pressure secondary recovery efforts (water flooding), which makes casing integrity especially important. Allowing further injection in this area might only increase the likelihood of cross flow and subsequent damage to valuable producing formations in the area, as well as potential damage to the casings in surrounding wells. For the aforementioned reasons, my client provides this notice in protest, and believes that the Cooper 17 well #1 should not be permitted.

Should you need any further information or supporting documentation, please do not hesitate to contact my office. I look forward to hearing from you with regard to this matter.

Very truly yours,

MICHAEL DANOFF & ASSOCIATES, P.C.

Michael L. Danoff

MLD/aal Enclosures

cc: Dr. Randy Briggs

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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## INSTRUCTIONS

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Submit 3 Copies To Appropriate District	State of New Me Energy, Minerals and Natu		Form C-103 Revised March 25, 1999	
District I 1625 N. Fresch Dr., Hobbs, NM \$8240	Dudgy, Millions and Hea	nu resources	WELL API NO.	
District II	OIL CONSERVATION	DIVISION	30.025.29962	
81) South First, Artesia, NM 88210 District III	1220 South St. Fra		5. Indicate Type of Lease	
1000 Rio Brazes Rd., Aztec, NM 87410	Santa Fe, NM 8		6. State Oil & Gas Lease No.	
District IV 1220 S. St. Francis Dr., Santa Fe, NM: 87505		•	o. State Oil of Gas Lease No.	
SUNDRY NOT	TICES AND REPORTS ON WELLS	3	7. Lease Name or Unit Agreement Name:	
(DO NOT USE THIS FORM FOR PROPE	DSALS TO DRILL OR TO DEEPEN OR PLICATION FOR PERMIT" (FORM C-101) FO	OR SUCH	1	
PROPOSALS.)			Hinderson	
i. Type of Well: Oil Well Gas Well	Other SWD			
Oil Well Gas Well  2. Name of Operator	Li Olica Sabb		8. Well No.	
Smith	+ Maria Tisc		Turning I	
3. Address of Operator	W Illinois Hobb	Aim conta	9. Pool name or Wildcat (19127)	
4. Well Location	W. LILLAURIS FRODS	S WILL XX GALT	San Andres-Glorieta	
	i			
Unit Letter O	330 feet from the S	Ime and _ [	186 feet from the A line	
Section 8	Township 20 Ra	inge 37	NMPM & County Lon	
	10. Elevation (Show whether D.	R, RKB, RT, GR, etc.		
	The Property of the Party Name	with Carry	Ole Paris	
	Appropriate Box to Indicate No NTENTION TO:		SEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	1. PLUG AND ABANDON	REMEDIAL WORK		
TEMPORARILY ABANDON	CHANGEPLANS	COMMENCE DRIL	20.4	
	I MULTIPLE	CASING TEST AN	ABANDONMENT	
PULL OR ALTER CASING	COMPLETION	CEMENT JOB		
OTHER:	П	OTHER: Chave	# \$ 540 × Test	
12 Describe proposed or comple	ted operations. (Clearly state all per	tinent details, and gi	ve pertinelit dates, including estimated date	
of starting any proposed work	). SEE RULE 1103. For Multiple C	ompletions: Attach	wellberg diagram of profised completion	
or recompilation. , OCD	R+12375		Received	
ALTE DAY GOVERN LINE WAR home 125/91/2 Hobbs				
DRIG up - remove production equipment				
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2 Sur CIBP with		/ circulatu	hala twitteng, OK	
3) Brow in hole w	iter Jarrella wires l'	ne and rada	It at soveral places	
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D Presson test coming	\$ 325" for 12 hrs. (1	Chart Athand	Put on Incertion	
I hereby certify that the informatio	n above is true and complete to the b	est of my knowledge	and belief.	
SIGNATURE ELLEN L	TITLE	Agent	DATE 2/8/04	
Type or wint name Eddies	W Soon		Telephone No. 505- 392-223 4	
(This space for State use)	A A			
4				
APPPROVED BY James Conditions of approval, if any:	TO WAVE TIME TH	REPRESENTATI	VE ILYSTAFF MANUSATEB 2 0 2000	
Commission of shinosen, it see).	0.000.000	F-0 X F	2.000	
		more description of the contract of	and the second s	



Submit 1 Conv'la Appropriate District Office	State of New I	The same of the sa	Form C-103
District 1 - (575) 393-6161	Energy, Minerals and N	atural Resources	WELL API NO. Revised July 18, 2013
1625 N, French Dr., Hobbs, NM 88240 Dodnet H (575) 748-1283	OIL CONCERNATION	AVISINALIVE	30-025-29962
\$11 S. Fust St., Anexis, NV 88216	OIL CONSERVATION		5. Indicate Type of Lease
Dietrici III (505) 334-6178 1000 Rig Brazot Rd., Aztec, NM 87410	1220 South St. F		STATE FEE S
District (V - (Sr5) 476-3460	Santa Fc, NM	8/303	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fc, NM 87505			NA .
SUNDRY NOTICE	S AND REPORTS ON WEL	J.S	7. Lease Name or Link Agreement Name
DO NOT USE THIS FORM FOR PROPOSAL DIFFERENT RESERVOIR, USE APPLICAT	S TO DRILLOR TO DEFFEN OR TON FOR PERMIT (LORM C-101	PLUG BACK TO A	T. Anderson - SWD
1 PROPOSALS)			R. Well Number I
1. Type of Well: Oil Well Ga	is Well W Other SWD		9. OGRID Number 244835
Name of Operator     J. Cooper Enterprises			9. GGRID NUMBER 244833
- 3. Address of Operator			10. Pool name or Wildcat Monument SA
Box 55 Monument, NM 88265			
4. Well Location			. — /
Unit LetterO_:	330 feet from the	S. line and	1980 _feet from the     line
Scotion 8		Range 37	NMPM County Lea
1	L. Elevation (Show whether i	DR, RKB, RT, GR, etc	
12. Check App	propriate Box to Indicate	Nature of Notice,	Report or Other Data
NOTICE OF INTE	ENTION TO:	i sue	SEQUENT REPORT OF:
	PLUG AND ABANDON [].	REMEDIAL WOR	
	CHANGE PLANS	COMMENCE DR	RILLING OPNS. PANDA
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEN	L'YOB.
DOWNHOLE COMM-NGLE: []			
CLOSED-LOOP SYSTEM		OTUED:	
13 Describe proposed or complete	d operations. (Clearly state)	OTHER	nd give pertinent dates, including estimated date
of starting any proposed work)	SEE RULE 19.15,7.14 NM	AC. For Multiple Co	impletions: Altach wellbord lingual of
proposed completion or recom			
. 41	mrm smalles		JUL 01 2014
Discovered pressure on backside of 3     Immediately shut well in.	SWD, (csg) 6/28/14 Saturday.		1000
3. Notified Silvia Dickey 6/30/14.			av zen ikit
4. Have call in for nig to perform remed	ilal work and repair.		RECOVED
5. Will notify OCD when we rig up.	udore del int	151.50-1	
6. Will cyaluate as to problem and keep	OCD informed, file addition	al C-103 after work is	completed, so OCD can witness test.
The Oil Conservation Divis	sion .	Condition of A	pproval; notify
MUST BE NOTIFIED 24 H	*	OCD Hobbs	office 24 hours
Prior to the beginning of oper	4	The state of the s	MIT Test & Chart
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I hereby certify that the information abo	we is true and complete to the	best of my knowledge	e and belief.
S			
SIGNATURE LOW ULL	TITLE A	ent	DATIS_ 6/30/14
Type or print rame Eddic Sc	E-mail address	schv04@leaco.net	PHONE: 575-390-2454
For State Use Only	7.	12	4 11
APPROVED BY:	LOUNC TITIES	M. Duken	400 DATE /1/12014
Conditions of Approval (if any)	The same of the sa		11 1
0	*		MAD MAD (
		*	JUL 0 1 2014



School 10 pp To Apr school Orbits State of New Mexico	Form C-103
Office Dengel 1875 3/44/161 Finergy, Minerals and Natural Resources	Rev.sol July 38, 2013
1625 V Bench Dr. Helpe VM 8 CBC	WELL APLNO 20-025-29962
SHAP THE MEN NO DAME OF CONSERVATION DIVISION	5 Indicate Type of Lease
Distraction of Action 19 1220 South St. Francis Dr 1000 3. Berson B. Add., DM 97410 Comp. En. N.M. 97505	STATE I STATE
Dinaty (04: 42446) Sama Fe, Sivi 67, 36	6. State Oil & Gas Lease No
1220 S. Strings Dr., Sapa Fr. SM. 8700	NA.
SUNDRY NOTICES AND REPORTS ON WELLS  (10) NOTICES A	7 Lease Name or Unit Agreement Name
PROPERALS	T Anderson - SWD
1 Type of Welt Oil Well [ ] Gas Well & Other Suit	8 Well Number ;
2 Name of Operator	9 OGRID \timber 211845
I. Cooper Enterprises     Address of Operator	10. Pool hame of Wildon Mountment SA 1.
: Box 55 Motamen, 5M 88265	
, 4 Well Location	
Unit Leffer O 330 feet from the _S_ Infe and	1980_ (cel from the line .
Section 8 Township 20 Range 37	NIPM: Lea Courty
14 Elevation Show whether DR, RKB, RT, GR	pie)
12. Check Appropriate Box to Indicate Nature of Not	ice. Report or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF.
PERFORM REMEDIAL WORK   PLUG AND ABANDON   REMEDIAL V	
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PULL OR ALTER CASING 11 MULTIPLE COMPL 11 CASING CE	AENT JOB [ ]
DOM/NEOTE COAMANGES [7]	
CLOSED LOOP SYSILM [] CTIER.	
OTHER.  13 Describe proposed or completed operations. (Clearly state all pertinent detail)	s, and give pertinent dates, including estimated date
of starting any proposed works. SET RULF 19 15 7 14 NMAC. For Multiple	Completions: Attach wellbore diagram of
proposed completion or recompletion	
- 1000 -	
Pressure developed on backade of SWO, well was shall in and OCO nortified.	
Work began to repair on ? 7 14, a complete description of work attached, with so	thematic. HOBBS GGD
	UO552 QQ15
	00 A - 3415
** Would like to keep well \$1 pending further work, or P & A.	OET 0 1 2014
SUBMIT-CIOZ INTENT	RECEIVED
1012 All: Liga // Jook BP	PA
SUBMIT-CIOZ INTENT FOR Additional WORK OR	*//
	-· ·
Spid Dipe Rig Release Date.	
I hereby certify that the information above is true and complete to the best of my know	India and holist
Thereby certify that the information above is the and complete to the test of the knowl	reage and repet
Sharing	
SIGNATURE Chale W. Man TITLE Apent	DATE 9/29/2014
The state of the s	DITON'T SEE AND DOOR
Type on print name Eddie W. Seay For State Use Only	pet PHONE. 575-392-2236
MI HILL TO THE	10/1
APPROVED BY Y VALLEY SHOWN 2 TITLE DULL . DUP	10/1/2014
Conditions of Approval (if any)	) [ /
V	
	OCx 0 1 1016,



7-7-2014

Miru. Tyler Pulling unit nipple down well head and nipple up blow out preventer. OP release paker in 4 hours lay down 12 joints and had holes in 3 of those joints. Shut down over night

J Cooper Enterprises

7-8-2014

Continue trip out of the hole laying down 3 1/2" tubing laid down 35 joints with holes and 107 of good joints. Shut down over night

J Cooper Enterprises

7-9-2014

Unload and rack up Joints of 3 1/8' EUE 8rd 9.3# J-55 tubing Pick up arrow set packer trip in hole. Picking up 3 %" Lubing to 4255' and set packer. Unable to load casing with 100 harrels packer fluid. Shut down over night

J Cooper Enterprises

7-10-2014

Stood by wireline truck from 9:00 am until 12:00 Pick up 2 313 profile plug. Till and set plug in packer unable to lock plug in packer in 2 runs. Relief arrow set packer trip out of hold with 3 ½" tubing and packer SDON:

J Cooper Enterprises

7-11-2014

Continue trip in hole with tubing to 4253 and set retrievable breech plug pull up hole and set packer at 4220. Set packer test RBP to 1000lf and lost 120lf in 7 min. Move plug to 4237 and set RBP and packer at 4220 and test to 800lf and lost 60lf in 3 min. drop s.v. and test tubing to 1000lf (ok) move RBP to 4220 and test to 800lf and lost 60lf in 3 min. drop s.v. and test tubing to 1000lf (ok) move RBP to 4220 and test to 940lf and lost 100lf in 4 min. Move RBP to 4188 and packer to 4205 and packer at 4183 and test to 940lf and lost 100lf in 4 min. Move RBP to 4188 and test to 950lf and lost 100lf in 4 min. Move RBP to 4188 and test to 950lf and lost 100lf in 4 min. Move RBP to 4091 and packer to 4052 and test to 900lf and lost 50lf in 3 min. Move RBP to 4027 and packer to 3988 test to 950lf and lost 100lf in 5 min. Move RBP to 3707 and packer to 3668 and test to 1000lf and lost 130lf in 4 min. Bun in hole to 4188 and set RBP pull up hole to 3517 and test to 940lf and lost 120lf in 5 min. Pull up hole with packer to 2549 and set packer and test to 900lf lost



110# in 5 min. PGH with packer to 1582' and test to 1000# lost 1000# in 1 min. RIH with tobing to 1810' and on vacc. At .2 bpm. Run in hole to 2003' and or vacc at 5 bpm. Run in hole to BMT 2132' and set packer test to 940# and lost 100# in 4 min. Poll up hole to 2068' and set packer and on vacc .2 bpm. All and set packer at 8TM 2099' and set packer test to 920# lost 96# in 7 min. Pull up hole to 2068' and set packer load casing and test still had leak.

. Couper Enterprises

7 14 2014

Anderson #1 SWD

Pull up hole to 1745 set parker and unable to load casing. Pull up hole to 1419 set parker unable to load casing. Trip out of hole with tubing and compression parker. Rig up tension parker. Trip in hole to 1419 and set packer unable to load cosing. Release packer PUH to 1096' set packer test casing to 500# and lost 50# in 5 m in. Release packer RIH to 1225' and set packer. Test casing to 500# lest 500# in.5 min. PUH to 1159' set packer test casing to 500# in.5 min. PUH to 1159' set packer test casing to 550# for 15 min lok) isolate casing leak between (1159'-2099') 940.

J Conpet Enterprises

7-15-2014

Rig up cased hole Wireling truck Gamma gun and 4-3/4" CIBP. TIH and pull correlation log to 3200" and set CIBP at 4100" TOH hig down wire line. TIH with 3.5" IPC tubing. TOH laying down 3.5" tubing. Shut down over hight

J Cooper Enterprises

7-16-7014

Shut down.

. Cooper Enterprises

7-17-2013

Set Fractank and half tank lay line from 8 5/8" to tank

7 18 2014

QU Basic Finergy Services and sign 5 % casing with 70 bbl I quid glass and 700 sks. Thizotropic cmt mixed at 14.88 ppg and displace with 23.8 bbl FW. CWI and shut down over night

J Cooper Enterprises

7 21 2014

Pick up 4 %" bit and bit sub. 11H with tubing to 1325" and tag cmt. RUP reverse Gut and chable to cir. hole with 100 BFW. TOH with tubing and bit CWI and shut down over night. Waiting on Chin.

J Cooper Enterprises

7 22 2014

Stood by for Basic until 11:00 am. Big up and pump 20 bb. Figu. diglass and 200 sks thisotrop c mixed at 13.2 ppg and 300 sks. CLS "C" near unit with 2% cd. Mixed at 4.8 ppg and 12 bbl FVV behind wiper blug. All down 5 to "casing CW, and SDON.

J'Couper Enterprises:

7-23-2014

Nipple down plug head and nipple up BOP. Put up 4 K" bit "IH with tubing to 1752" and tag top of coment 10h with tubing and bit. Nipple down BOP and nipple up 5 K" plug head, CAVI and SOON

1 Cooper Enterprises

7 74 2014

Rig on Basic Energy Services and pump 20 bbl liquid glass and 200 sks. This proper mixed at 14.7 ppg and 200 sks. Cls "c" neat mixed at 14.8 ppg and 130 sks. Cls "c" neat mixed at 14.8 ppg and 23s CCL and displaced with 8 BFW behind wiper plug. CWI and SDON

1 Cooper Enterprises:

7-25 2014

Hipple down plug head and nipple up BOP. Pullup 4 %" bit, THI with tubing to 1251" and tag top of chit had 1" of fill Rig up reverse unit. Broke of out tubing at 3.9 bpm with % BPM retains. TOH with tuning and bit, CWI and SDON

: 26-2014

Rig Up Basic Energy Services. Pump 20 bbl liquid glass and 200 sks Thixotropic mixed at 13.2 ppg and 200 sks Cls "C" neat mixed at 14.8 ppg and 28 CCL Displaced with 8 bl VV In hird wider plug. CWI and SCON

J Couper Enterprises

7 28 2014

Rippin down plug head and nippie at BOP. Pull up 4 % bit. Titlly thitubing to 1245 and tag cm; top. Rig up reverse unit and load hole with 30 BTW. Was losing 1 V bPM while cir. Shut tubing valve and pump into leak at 2 bpm at 300# TOH with tubing and bit. Nippie down ROP and cuppie up 5 % plug head. CWI and SDON

J Cooper Enterprises

7 29 2014

Rig up Basic Energy Services. Pump 20 bol liquid glass and 200 sks Cls "G" with 690 get and 590 sait and 3 PPS kol-scal mixed at 12.5ppg and 400 sks Cls "G" peat mixed at 14.8 ppg and 100 sks cls "C" with 2% CCL mixed at 14.8 ppg 0" to 290" to 0" with le pumping cmt. Displaced with 6 BJ W. Big down Basic Ctyl and SDON

J Cooper Enterprises

7-30-2014

Nipple down plug head and pipple up 60°, Pull up 4 ¾° bit Till with tubing and tag top of cmt at 1225°. Rig up reverse unit and look 4 bbit to regain or shut in for 30 inpliand look 4 bbit to regain or shut in 15 mm and look 4 bbit to regain or shut in 15 mm and look 4 bbit to regain or the tubing and bit. Till with open effect tubing to 1774°. CWI and 500°.

I Cooper Enterprises

7-31 2014

Rig up Basic Finding Services, Spot 75 SKS cls "C" neat mixed with 2% ccl at 1224" 10H with tubing load casing with 3 BHW. TIH wait 4 hr. TIH with tubing and tag chit at 455" TOH, SDON

8-1-2014

Pull up 4 %" bit and 6-3 %" drill collars. TiH with tubing to rig up reverse unit. D.O. good cmt from 455' to 6/3' (218') cir clean. CWI and SDON

J Cooper Enterprises

8-4-2014

Continue D.O. good crut from 73' to 897' (224') and cir clean. CWI and SDON

J Cooper Enterprises

8-5-2014

TOH with tubing and bit pull up 4 more 3 ½ drill collars (total 10) TIH with bit and tubing to 897' Rig up reverse unit. Continue D.O. good cmt to 1108' and cir clean. Test casing to 500# for 10 min (ok) CWI and SDON

J Cooper Enterprises

8-6-2014

Rig up reverse unit. Continue 0.0. good cmt from 1108' to 1173' and cir clean. Test casing to 500# for 10 min (ok). Drill to 1205' cir. Clean and test to 510' for 15 min and lost 20# in 15 min. Continue 0.0. cmt to 1224 and fell out to 1234' and tag lost cir. Unable to regain with 40 bfw. 10H with tubing bit. SDON

J Cooper Enterprises

8 7 2014

Waiting on cmt.

J Cooper Enterprises

8-8-2014

Stood by for Basic until 10:00 am. Rig up and pump 10.bbl liquid glass and 300 sks. Cls "C" with 6% gel and 5% salt and 3# ppg Kol-seal mixed at 12.5 ppg, 100 sks cls "C" neat mixed at 14.8 ppg and 100 sks Cls "C" with 2% CCL mixed at 14.8 ppg and flushed with 10 BFW. CWI and SDON

8 11 2014

Pull up 4 %" bit. TiH with tubing to 1228' and tag cmt. TOH with tubing and bit. Pull up 10 3 %" drill collars and bit. TiH with tubing to 1228'. Rig up reverse unit. D.O. to 1234' and test casing to 300% and 500% (ok) D.O. to 1237' and started losing water. Test to 300% and lost to 0% in 2 min. Unable to regain cir. With 40 BFW at 4 bpm sucking .8 bpm. YOH with tubing and bit. SDON

J Cooper Enterprises

8-12-2014

Shut down walting on cement trucks

J Cooper Enterprises

8 13-2014

Rig up Başic Energy Services and pump 10 bbl liquid glass and 300 sks. with 6 % gel and 5% salt and 5% p/s. Kol-Scal and 8." Celo flakes mixed at 12.5 ppg and 200 sks Cis. "C" with 2% CACL mixed at 14.8 ppg and flushed with 10 BFW. CWI and SOON

J Cooper Enterprises

8-14-2014

WOC.

J Cooper Enterprises

8-15-2014

woc

J Cooper Enterprises

8-16-2014

WOC

8-17-2014

WOG

J Cooper Enterprises

8-18-7014

Pull on 4 3. bit. The with 10 drill collars and tubing to 1207 and tag cmt. Hig up reverse unit 0.0 faut cmt to 1235 and lost cir. Unable to load hole with 25 BW TOH with tubing and by down 10 dr I collars. Pull up 5 % cmt yetallee. Till with tubing to 1105 and set cmt retainer load casing.

J Cooper Enterprises

8-19-2014

Rig up Basic Linergy, Services, Pump 150 sks Cs "C" near mixed at 14.8 ppg thru retainer, Pull out of retainer, Severse put 1 obtains TOH laying down 7.7/8" tubing, Nigole down BOP, NUMH, CW and rig down pulling and, Jon Campine.

WELLBORE SCHEMATIC AND HISTORY AP'NUM: 30-025-29362

OPERATOF J. COORT Enterpuis QE
LEASEMANE: ANDERSON

TO 330 FSL (SE2)

TO 6823 PSD (KB ) DF COMPLETION SCHEMATIC FORW DEPTH WELL NO 1983 FEL PCOL. 3535 PENES 5110-5170 13 13 Ø 250 DPEN HOLE DEATS: • OPEN HOLE Monument Paddock FOCL 5593-5776 Monument Blinebry
PCOL
Monument Tubb
PCOL PERFS OPEN HOLI PERFS 6362-6466 OPEN HOLE Central Rama 1105 58 150 m Hus!'c 1080 Hole. 8 5 5 7 1215 1224. TU3. 13 2/8 250 260 sxs 1238 8 5/8: 1215: 6 1/2: 6539 12 1/4 470 sxs Cho TOC 1600 ost \$ 2068 lusing 2014 58. 490 14 2432 PK Soven Rivers OTREU 3171 Graybung Son Ardres 3638 Parts From 4350 t 4800 Giorieta. 5105 Parta 5118-5178 Paddrek 5370 Blacon \$590 Ports 5593-5700 Paris 5708-5726 Tutb E205 Porte 63 £2-6371 Ports 6452-6165 Sqz 5 1/2 0 6530 PREPARED BY: UPDATED



J. Cooper Enterprises Inc.

Anderson at SWD

Unit o sec. 8 Tws 20 R.377

Les Co. Wy

