<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

<u>District II</u>

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Road, Aztec, NM 87410

Date: 9/19/2014

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101 Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division BS OCD 1220 South St. Francis Dr.

☐AMENDED REPORT

Santa Fe, NM 8750\$EP 2 2 2014

			Operator Nan					T	² OGRID No	umber
Sundown Energy LP 13455 Noel Rd, Ste 2000					232611					
			Dallas, T	ca, Ste 20 X75240)OO			30-025-27586	3. API Num	nber
Property Code Property Name 40359					ВОВІ	State	WF Unit	UF Unit "Well No.		
					7. Surface Lo	cation				
JL - Lot	Section	Township	Range	Lot			'S Line	Feet From	E/W Line	
L	20	18S	36E		1650	SOUT		990	WEST	LEA
	T				roposed Botto		T			
JL - Lot	Section	Township	Range	Lot	Idn Feet fr	om N	/S Line	Feet From	E/W Line	County
]				9. Pool Infor	mation				
KANSAS JI	UNTION; SAI	N ANDRES, V	VEST		Pool Name					Pool Code 2503
				A d	lditional Well I	nformation				
II. Wo	rk Type		12. Well Type	A	13. Cable/R			Lease Type	15.	Ground Level Elevation
	E		0				S		3835'	
	lultiple IO		^{17.} Proposed Dep 5600 '	th	18. Forma SAN ANDRES	tion	^{19.} Contractor		²⁰ Spud Date 10/1981	
pth to Gro			Dis	stance from	nearest fresh water	well		Distance t	to nearest surf	face water
Туре	Hole Size		Casing Size Casing Weight/ft							
		e Size	Casing Size				ogram g Depth	Sacks of C	Cement	Estimated TOC
	1	e Size	Casing Size 8-5/8"			Settin		Sacks of C	+	Estimated TOC circulated
						Settin 19	g Depth	+	+	
		1"	8-5/8"			Settin 19	g Depth	700	+	circulated
		1"	8-5/8" 4-1/2"	Ca		Settin 19 56	g Depth 01' 00'	700 125	+	circulated
		1"	8-5/8" 4-1/2"	Ca	sing Weight/ft	Settin 19 56	g Depth 01' 00'	125)	circulated 5100'
		1"	8-5/8" 4-1/2"	Ca	sing Weight/ft ent Program: /	Settin 19 56 Additional	g Depth 01' 00'	700 125 — E-PERM) HITTING	circulated
	7-7	1"	8-5/8" 4-1/2"	ing/Cem	sing Weight/ft ent Program: /	Settin 19 56 Additional	g Depth 01' 00' Comments	700 125 — E-PERM Comp_) HITTING P&A	circulated 5100' New Well TA
		1"	8-5/8" 4-1/2"	ing/Cem 22. Propos Working	ent Program: A	Settin 19 56 Additional	g Depth 01' 00' Comments cogram Test Press	700 125 — E-PERM Comp_) HITTING P&A	circulated 5100' New Well TA
	7-7	1"	8-5/8" 4-1/2"	ing/Cem	ent Program: A	Settin 19 56 Additional	g Depth 01' 00' Comments	700 125 — E-PERM Comp_) HITTING P&A	circulated 5100'
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est of my ki further cei 0.15.14.9.(1 gnature:	Type MANUAL ertify that the nowledge are tify that I B NMAC [1" 7/8" ne information disconnection discon	8-5/8" 4-1/2" Cas on given above in the died with 19.15.1	ing/Cem Propos Working 300 strue and c	ent Program: / sed Blowout Pr Pressure	Settin 19 56 Additional Cevention Pr	OIL O	E-PERM Comp CSNG Recom Cancl W	IITTING P&A Loc (circulated 5100' New Well TA Chng Chng Create Pool VISION

Conditions of Approval Attached

RE-ENTRY PROCEDURE

Bobbi No. 4 (Bobbi State Waterflood Unit #4)

Re-enter and complete in Upper San Andres

API # 30-025-27586

Sec 20-18S- 36E - 1650' FSL & 990' FWL

- 1- Set anchors. Find well, re-weld surface pipe & production pipe back to surface. Transfer 2-3/8" 4.7# L-80 tbg for workstring. MIRU PU w/ reverse unit. RU BOP. RIH w/ 3-3/4" bit & 12 DCs.
- 2- Circulate hole clean with San Andres water. Drill out surface plug. Drill out waterboard plug 450'. Drill out plugs w/ sqz holes @ 1851'. Drill out plug @ 3186'. Tag CIBP @ 5234'. Drill out & clean out hole to 5450'. Do not drill CIBP w/ cmt @ 5450 5464'. Pressure test the csg & CIBP to 500 psig.
- 3- POOH w/ drlg assbly. MIRU WL unit. RIH w/ 3-3/8" csg guns & perf 5189 5194', 1 SPF, ttl 5 holes (1 zone).
- 4- RIH w/ treating pkr & set pkr @ 5150' to acdz new perfs and re-acidize existing perfs f/ 5286' 5389' (3 zones). Acdz interval w/ 6000 gals 15 NeFe HCL w/ sludge control (acitol or equivalent). Drop 55 ball sealers to insure ball out.
- 5- Swab the entire section to get load back. Once oil is achieved or load water is recovered.
- 6- POH w/ 2-3/8" 4.7# L-80 workstring. PU & RIH w/ frac treating pkr (arrow-set or equalvalent).PU & RIH w/ 2-7/8" L-80 frac string w/ premium intergral jt threads. (String may have to be rented). Prep to frac all three intervals (if all three are productive)down tbg @ 23 25 bpm. Plan to frac stimulate w/ 120,000# 20-40 Brady sand w/ a standard conventional 25# x-linked Borate system. Frac job is same as the Bobbi #2, however, total sand had been increased. Note: These are four zones w/ 5 sets of holes in each zone. Balls may need to be dropped (8 balls)to ensure treatment of all zones. Plan to radioactive tag the frac stimulation.
- 7- POOH w/ frac string. RIH & clean out wellbore of frac sand. MIRU WL unit & run frac log to determine treatment. Drill out CIBP @ 5450' 64'. RIH w/ IPC 2-3/8" J-55 tbg w/ Baker AD-1 compression set pkr @ +/-5160'.
- 8- Lay injection lines f/ the Bobbi#3 injection station to the subject well. Lay or bury lines as per the State Lands of NM. Prep to turn well to injection.

Ralph Butler P E Area Production Manager

INJECTION WELL DATA SHEET

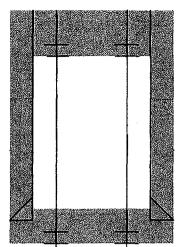
OPERATOR: Sundown Energy, LP			•				
WELL NAME & NUMBER: Bobbi No. 4 (API No. 30-	025-27586)						
WELL LOCATION: 1650' FSL & 990' FWL	L	20	18 South	36 East			
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE			
WELLBORE SCHEMATIC	WELL CONSTRUCTION DATA Surface Casing						
See Attached Wellbore Schematics	Hole Size: 11"		Casing Size: 8 5/8	<u>"@ 1,901'</u>			
	Cemented with: 70	0 Sx	or	ft³			
	Top of Cement: Su	rface N	Method Determined	l: Circulated			
	Intermediate Casing						
	Hole Size:	···········	Casing Size:				
	Cemented with:		or	ft ³			
	Top of Cement:		Method Determined	1:			
	Production Casing						
	Hole Size: <u>7 7/8"</u>		Casing Size: 4 ½" (<u>2,5,600'</u>			
	Cement with: 125 Sx.		or	ft ³			
	Top of Cement: 5,100'	1	Method Determined	l: <u>Calculated</u>			
	Total Depth: 5,600'						
	<u>Inj</u>	ection Interv	<u>al</u>				

Perforated Interval -5,286'-5,572'

INJECTION WELL DATA SHEET

Tubin	ng Size: 2	3/8" 4.7# J-55		Lining Material:	Inter	mally Plastic Coated	<u> </u>
Туре	of Packer:	Baker AD-1 Injection I	Packer				
Packe	er Setting Depth:_	5,236' or within	n 100' of the	uppermost injection	perforat	ions	
Other	Type of Tubing/C	Casing Seal (if applicable):	None				
`		A	Additional Da	t <u>a</u>		:	
1.	Is this a new we	ll drilled for injection:		Yes	X	No	
	· .	ourpose was the well originall was plugged and abandoned	•	···		s a producing well in the San Ar	<u>idre</u>
2.	Name of the Inje	ection Formation:	San Andres				
3.	Name of Field o	er Pool (if applicable):	West Arkans	as Junction-San And	lres Pool	(Oil-2503)	
4.		er been perforated in any othen nent or plug(s) used.	er zone(s)? L	ist all such perforate	d interva	uls and give plugging detail,	
	None						
5.	Give the name a in this area:	and depths of any oil or gas zo	ones underlyi	ng or overlying the p	proposed	injection zone	
		osed waterflood project area i '); Arkansas Junction-Devor			S, R-36E	E: Arkansas Junction-Penn Pool	

Current Wellbore Configuration



Perforate 4 ½" csg. @ 400' & cement to surface w/110 sx.

Sundown Energy, LP

Bobbi No. 4

API No. 30-025-27586

1650' FSL & 990' FWL, Unit L
Section 20, T-18S, R-36E

Drilled:

10/1981

Plugged:

10/2009

11" Hole; Set 8 5/8" 24# csg. @ 1901' Cemented w/700 sx. Cement circulated to surface

Perforate 4 ½" csg. @ 1,951' & cement w/40 sx. from 1,755'-1,951 (Tagged)

Perforate 4 ½" csg @ 3,186 & cement w/40 sx. from 2,987'-3,186' (Tagged)

TOC @ 5,100' (Calc.)

Set CIBP @ 5,234' w/cement 5,200'-5,234'

San Andres Perforations: 5,286'-5,389'

Set CIBP @ 5,462' w/cement 5,450'-5,462'

San Andres Perforations: 5,504'-5,572'

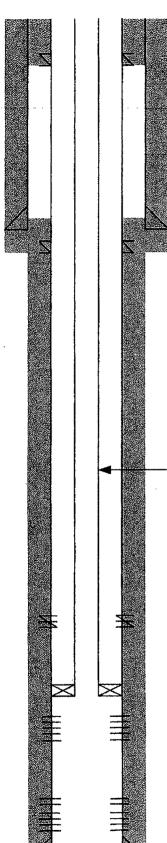
7 7/8" Hole; Set 4 1/2" 10.5# csg. @ 5,600'

Cemented w/125 Sx.

Calculated TOC @ 5,100'

T.D. 5,600'

Proposed Wellbore Configuration



Sundown Energy, LP
Bobbi No. 4
API No. 30-025-27586
1650' FSL & 990' FWL, Unit L
Section 20, T-18S, R-36E

11" Hole; Set 8 5/8" 24# csg. @ 1901' Cemented w/700 sx. Cement circulated to surface

2 3/8" 4.7# IPC J-55 Tubing set in a Baker Model AD-1 Packer @ 5,236'

Run CBL to determine TOC. Perforate 4 1/2" csg. @ cement top and cement squeeze w/300 sx. 50/50 Poz "C"

Original TOC @ 5,100' (Calc.)

San Andres Injection Perforations: 5,286'-5,572'

7 7/8" Hole; Set 4 1/2" 10.5# csg. @ 5,600'

Cemented w/125 Sx.
Calculated TOC @ 5,100'

T.D. 5,600'