

WELL API NO.		30-025-33328	
5. Indicate Type of Lease		STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.		317230	
7. Lease Name or Unit Agreement Name V.M. HENDERSON			
8. Well No.		15	
9. Pool Name or Wildcat		SWD SAN ANDRES	
Feet From The <u>EAST</u> Line MPM <u> </u> LEA <u> </u> COUNTY <u> </u>			

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3517' GL

REMEDIAL WORK	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
COMMENCE DRILLING OPERATION	<input type="checkbox"/>	PLUG AND ABANDONMENT	<input type="checkbox"/>
CASING TEST AND CEMENT JOB	<input type="checkbox"/>		
OTHER:			

THIS WELL IS ON THE INACTIVE WELL LIST.



DATE _____

DeSoto/Nichols 12-93 ver 1.0

V. M. Henderson # 15
Blinebry Oil & Gas Field
T21S, R37E, Section 30
Job: Convert To SWD Well

Procedure:

1. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
2. MI & RU pulling unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH LD rods and pump. Remove WH. Install BOP's and test to 1000 psi. Release TAC. POH LD 2 7/8" tbg string.
3. PU & GIH with 4 3/4" MT bit on 2 7/8" work string to approximately 5550'. POH with 2 7/8" work string and bit. LD bit. PU & GIH with 5 1/2" tbg-set CIBP on 2 7/8" work string to 5520'. Set CIBP at 5520'. Dump 35' cmt on top of CIBP. PUH to 5000'. Establish reverse circulation using 8.6 PPG cut brine water. Reverse circulate well clean from 5000' using 8.6 PPG cut brine water. Pressure test 5 1/2" csg to 500 psi. POH with 2 7/8" work string and setting tool. LD setting tool.
4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CBL/CCL log from 5485' up to 3000'. POH. Inspect logs for good cement bond from approximately 5200' up to 3800'. If bond does not appear to be good across proposed disposal interval, discuss with Engineering before proceeding. Cmt squeeze as necessary to obtain good cmt across disposal interval. GIH with 3 1/8" slick casing guns and perforate from 4400-10', 4414-24', 4456-66', 4474-84', 4540-50', 4554-64', 4570-80', 4586-96', 4754-64', 4778-88', 4830-40', 4848-58', 4878-88', and 4948-58' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit.
5. PU and GIH w/ 5 1/2" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 4400'. Test tbg to 5500 psi while GIH.
6. MI & RU DS Services. Acidize perfs 4400-4958' with 7,000 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi**. Spot acid to bottom of tbg at beginning of each stage. Pump job as follows:

Interval	Amt. Acid	Max Rate	PPI Setting
4948-58'	500 gals	1 BPM	4947-59'
4878-88'	500 gals	1 BPM	4877-89'
4848-58'	500 gals	1 BPM	4847-59'
4830-40'	500 gals	1 BPM	4829-41'
4778-88'	500 gals	1 BPM	4777-89'

4754-64'	500 gals	1 BPM	4753-65'
4586-96'	500 gals	1 BPM	4585-97'
4570-80'	500 gals	1 BPM	4569-81'
4554-64'	500 gals	1 BPM	4553-65'
4540-50'	500 gals	1 BPM	4539-51'
4474-84'	500 gals	1 BPM	4473-85'
4456-66'	500 gals	1 BPM	4455-67'
4414-24'	500 gals	1 BPM	4413-25'
4400-10'	500 gals	1 BPM	4399-4411'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 500 psi csg pressure. If cannot, then move pkr to next setting depth and combine treatment volumes of the intervals.**

* Acid system is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

- Set PPI pkr at 4350'. GIH and swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels.
- Open well. Pump down tbg with reverse pump and establish injection rate into perfs at 3 BPM using 200 bbls 8.6 PPG cut brine water. Release PPI pkr. POH LD 2 7/8" work string and PPI packer.
- PU and GIH w/ 5 1/2" nickel-plated Lok-Set pkr, nickel-plated on-off tool with 2.25" "F" profile, and 140 jts. 2 7/8" EUE 8R J-55 IPC tbg to 4355', testing to 5000 psi. Displace tbg-csg annulus with corrosion inhibited pkr fluid. Set pkr at 4355', with EOT at 4360'.
- Pressure test csg and pkr to 500 psi. Pump down tbg with 8.6 PPG cut brine water to confirm injectivity. Remove BOP's and install WH. RD & release pulling unit.
- Notify NMOCD of MIT Test. Pressure test 5 1/2" csg and pkr to 500 psi and record chart for NMOCD.
- Turn well over to production. Report injection rates and pressures.

Well: **V. M. Henderson # 15**Field: **Blinebry Oil & Gas**Reservoir: **Blinebry****Location:**

1650' FNL & 1650' FEL
 Section: 30
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3487'
 KB: 3500'
 DF: 3499'

Current
Wellbore Diagram

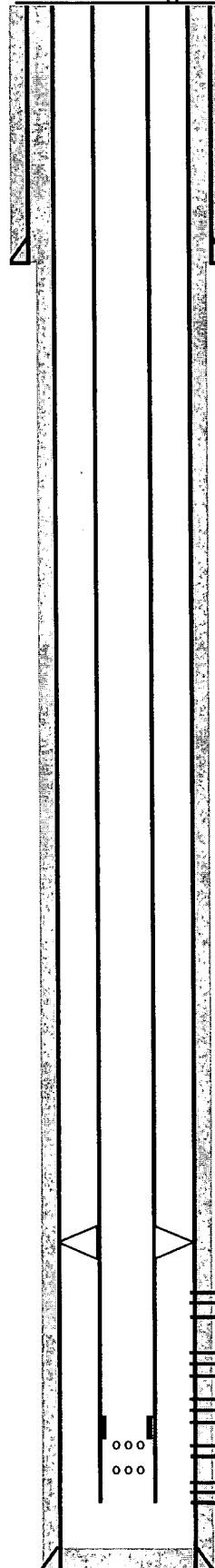
Well ID Info:

Refno: BI9442
 API No: 30-025-33328
 L5/L6: U482000
 Spud Date: 5/4/96
 Compl. Date: 6/5/96

Surf. Csg: 8 5/8", 24#, WC-50
Set: @ 1155' w/ 400 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	13.00
176	Jts. 2 7/8" EUE 8R J-55 Tbg	5464.00
	TAC	2.80
10	Jts. 2 7/8" EUE 8R J-55 Tbg	307.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	30.00
187 Bottom Of String >>		5822.00



COTD: 5976'
PBTD: 5976'
TD: 6100'

Updated: 1/10/06

By: A. M. Howell

Perfs:	Status:
5550-60'	Blinebry - Open
5594-5600'	Blinebry - Open
5618-27'	Blinebry - Open
5650-56'	Blinebry - Open
5702-14'	Blinebry - Open
5766-74'	Blinebry - Open
5802-08'	Blinebry - Open

Prod. Csg: 5 1/2", 15.5 & 17#, WC-50 & N-80
Set: @ 6100' w/ 1275 sks
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Well: **V. M. Henderson # 15**Field: **SWD**Reservoir: **San Andres****Location:**

1650' FNL & 1650' FEL
 Section: 30
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3487'
 KB: 3500'
 DF: 3499'

Proposed
Wellbore Diagram

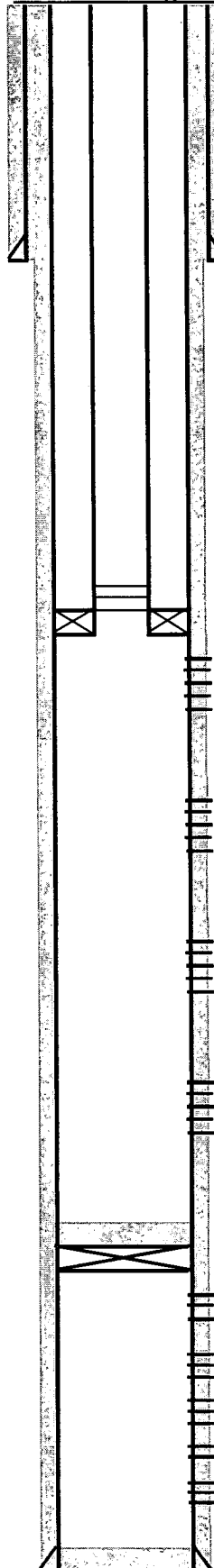
Well ID Info:

Refno: BI9442
 API No: 30-025-33328
 L5/L6: U482000
 Spud Date: 5/4/96
 Compl. Date: 6/5/96

Surf. Csg: 8 5/8", 24#, WC-50
Set: @ 1155' w/ 400 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	13.00
140	Jts. 2 7/8" J-55 IPC Tbg	4340.00
	On-Off Tool w/ 2.25" "F" Profile	2.70
	5 1/2" Lok-Set Packer	4.70
140	Bottom Of String >>	4360.40



Perfs:	Status:
4400-10'	San Andres - Open
4414-24'	San Andres - Open
4456-66'	San Andres - Open
4474-84'	San Andres - Open
4540-50'	San Andres - Open
4554-64'	San Andres - Open
4570-80'	San Andres - Open
4586-96'	San Andres - Open
4754-64'	San Andres - Open
4778-88'	San Andres - Open
4830-40'	San Andres - Open
4848-58'	San Andres - Open
4878-88'	San Andres - Open
4948-58'	San Andres - Open

CIBP @ 5520'
 (35' cmt on top)

Perfs:	Status:
5550-60'	Blaine - Below CIBP
5594-5600'	Blaine - Below CIBP
5618-27'	Blaine - Below CIBP
5650-56'	Blaine - Below CIBP
5702-14'	Blaine - Below CIBP
5766-74'	Blaine - Below CIBP
5802-08'	Blaine - Below CIBP

COTD: 5485'
PBTD: 5485'
TD: 6100'

Prod. Csg: 5 1/2", 15.5 & 17#, WC-50 & N-80
Set: @ 6100' w/ 1275 sks
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Updated: 1/10/06

By: A. M. Howell