submitted in lieu of Form 3160-5

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DEC 2000 RECEIVED OIL CON. DIV DIST. 3  Lodewick #9E API Well No. 30-045-23843 10. Field and Pool Basin Dakota 11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA The of Action Ent Sion Shew Construction Back Non-Routine Fracturing Pair Sepair Water Shut off Casing Conversion to Injection
NM-02861  If Indian, All. Tribe Name  OEC 2000  RECEIVED OIL CON. DIV DIST. 3  Lodewick #9E API Well No. 30-045-23843  10. Field and Pool Basin Dakota 11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA Type of Action Ent Change of Plans Tion New Construction Back Non-Routine Fracturing Expair Water Shut off Casing Conversion to Injection
DEC 2000  RECEIVED OIL CON. DIV DIST. 3  Lodewick #9E API Well No. 30-045-23843  10. Field and Pool Basin Dakota 11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA Type of Action Ent Change of Plans Lion New Construction Back Non-Routine Fracturing Expair Water Shut off Casing Conversion to Injection
DEC 2000  RECEIVED OIL CON. DIV DIST. 3  Lodewick #9E API Well No. 30-045-23843  10. Field and Pool Basin Dakota 11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA The of Action Ent Change of Plans Sion New Construction Back Non-Routine Fracturing Expair Water Shut off Casing Conversion to Injection
API Well No. 30-045-23843  10. Field and Pool Basin Dakota  11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA The of Action Ent Change of Plans Lion New Construction Back Non-Routine Fracturing Expair Water Shut off Casing Conversion to Injection
API Well No. 30-045-23843  10. Field and Pool Basin Dakota  11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA The of Action Ent Change of Plans Lion New Construction Back Non-Routine Fracturing Expair Water Shut off Casing Conversion to Injection
API Well No. 30-045-23843  10. Field and Pool Basin Dakota  11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA The of Action Ent Change of Plans Lion New Construction Back Non-Routine Fracturing Expair Water Shut off Casing Conversion to Injection
API Well No. 30-045-23843  10. Field and Pool Basin Dakota  11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA  OPE of Action Ent Change of Plans Cion New Construction Back Non-Routine Fracturing Epair Water Shut off Casing Conversion to Injection
Basin Dakota  11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA  Type of Action  Ent Change of Plans Lion New Construction  Back Non-Routine Fracturing Epair Water Shut off Casing Conversion to Injection
11. County and State San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA  Type of Action Ent Change of Plans Lion New Construction Back Non-Routine Fracturing Espair Water Shut off Casing Conversion to Injection
San Juan Co, NM  OF NOTICE, REPORT, OTHER DATA  Type of Action  Ent Change of Plans  Tion New Construction  Back Non-Routine Fracturing  Espair Water Shut off  Casing Conversion to Injection
OF NOTICE, REPORT, OTHER DATA  TYPE of Action  Ent Change of Plans  Tion New Construction  Back Non-Routine Fracturing  Expair Water Shut off  Casing Conversion to Injection
rpe of Action ent Change of Plans ion New Construction Back Non-Routine Fracturing epair Water Shut off Casing Conversion to Injection
Change of Plans  Lion New Construction  Back Non-Routine Fracturing  Epair Water Shut off  Casing Conversion to Injection
New Construction  Back Non-Routine Fracturing  Papair Water Shut off  Casing Conversion to Injection
epair Water Shut off Casing Conversion to Injection
Casing Conversion to Injection
-
ns
ns
subject well according to the attached deadline to submit this procedure is
Regulatory Supervisor Date 11/13/00TLW

# Lodewick #9E **Basin Dakota**

AIN #5026601

1835' FSL and 850' FWL, Section 19, T-27-N, R-9-W San Juan Co., New Mexico Latitude 36 - 33.4974'/ Longitude: -107 - 50.0988' PLUG & ABANDONMENT PROCEDURE 11/6/00

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

- 1. Install and test location rig anchors if necessary. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
- 2. TOH and tally 236 joints 2-3/8" EUE tubing set at 6995'. If necessary LD and PU workstring. Round-trip 4-1/2" gauge ring to 6721', or as deep as possible.
- 3. Plug #1 (Dakota perforations, 6721' 6621'): Set 4-1/2" wireline CIBP or cement retainer at 6721'. TIH with tubing and tag. Load casing with water and circulate well clean. Pressure test casing to 500#. If the casing does not test, then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug inside the casing above the CIBP to isolate Dakota perforations. PUH to 5915'.
- 3. Plug #2 (Gallup top, 5915' 5815'): Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover the Gallup top. TOH with tubing.
- 4. Plug #3 (Mesaverde top, 3128' 3028'): Perforate 3 HSC squeeze holes at 3128'. If casing tested, then establish rate into squeeze holes. Set 4-1/2" cement retainer at 3078'. TIH with tubing and establish a rate under the CR into the squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs inside to cover the Mesaverde top. PUH to 2406'.
- 5. Plug #4 (Pictured Cliffs and Fruitland tops, 2406' 2090'): Mix 28 sxs Class B cement and spot a balanced plug inside casing to cover Pictures Cliffs and Fruitland tops. PUH to 1620'.
- 6. Plug #5 (Kirtland and Ojo Alamo tops, 1620' 1350'): Mix 25 sxs Class B cement and spot a balanced plug inside casing to cover Kirtland and Ojo Alamo tops. TOH and LD tubing.
- 7. Plug #6 (8-5/8" casing shoe, 270' Surface): Perforate 3 HSC squeeze holes at 270'. Establish circulation out bradenhead. Mix approximately 90 sxs Class cement and pump down 4-1/2" casing from 270' to surface, circulate good cement out bradenhead. Shut in well and WOC.

8. BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

11-07-00

Recommended: \( \)

Operations Engineel

Approval:

ves No

Operations Engineer: Joe Michetti

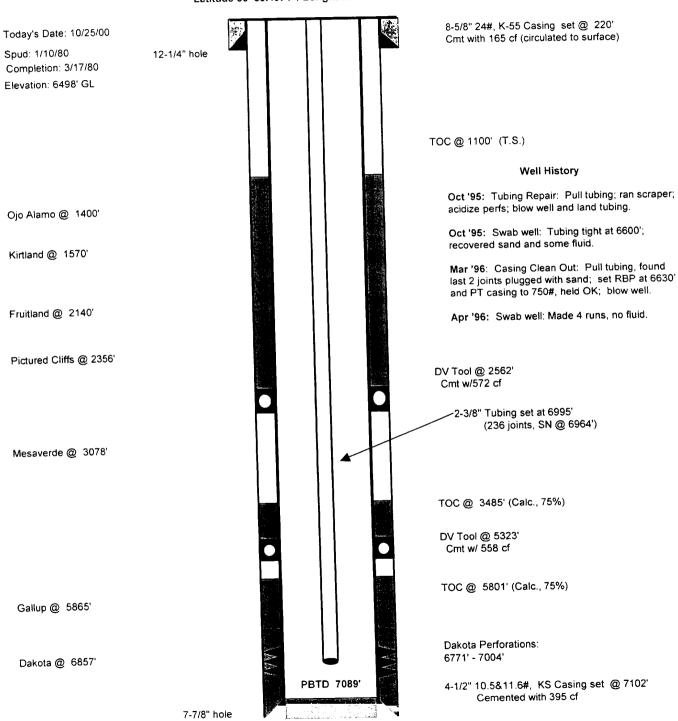
Office: 326-9764 Pager: 564-7187 Sundry Required:

### Lodewick #9E

#### Current AIN #5026601

#### Basin Dakota SW, Section 19, T-27-N, R-9-W, San Juan County, NM

Latitude 36 33.4974' / Longitude -107 50.0988'



TD 7102'

## Lodewick #9E

# Proposed P & A AIN #5026601

#### Basin Dakota

SW, Section 19, T-27-N, R-9-W, San Juan County, NM

Latitude 36 33.4974' / Longitude -107 50.0988'

		-		
Today's Date: 10/25/00 Spud: 1/10/80 12-1/4" hole			8-5/8" 24#, K-55 Casing set @ 220' Cmt with 165 cf (circulated to surface)	
Completion: 3/17/80 Elevation: 6498' GL	12-174 NOIC			Plug #6 270' - Surface Cmt with 90 sxs Class B
			TOC @ 1100' (T.S.)	Div. 45 46001 42501
Ojo Alamo @ 1400'				Plug #5 1620' - 1350' Cmt with 25 sxs Class B
Kirtland @ 1570'				
Fruitland @ 2140*				rlug #4 2406' - 2090' cmt with 28 sxs Class B
Pictured Cliffs @ 2356				
	25. · · · · · · · · · · · · · · · · · · ·		DV Tool @ 2562' Cmt w/572 cf	
Mesaverde @ 3078'			Cmt Retainer @ 3078'	Plug #3 3128' - 3028' Cmt with 51 sxs Class B, 39 sxs outside casing and 12 sxs inside.
			Perforate @ 3128'	
			TOC @ 3485 (Calc., 75%	)
		•	DV Tool @ 5323' Cmt w/ 558 cf	Plug #2 5915' - 5815'
Calling @ 5965'			TOC @ 5801' (Calc., 75%	Cmt with 12 sxs Class B 5%)
Gallup @ 5865'			Set CIBP @ 6721'	
Dakota @ 6857'			Dakota Perforations: 6771' - 7004'	Plug #1 6721' - 6621' Cmt with 12 sxs Class B
Danote & Coo.	7-7/8" hole	PBTD 7089'	4-1/2" 10.5&11.6#, KS C Cemented with 39	asing set @ 7102' 5 cf
	7-770 Hole	TD 7102'		