

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.O. BOX 10140
ALBUQUERQUE, NEW MEXICO 87140

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NM-4364

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8910180420

8. Well Name and No.

Young Deep 4 Federal #2

9. API Well No.

30-025-27679

10. Field and Pool, or Exploratory Area

Young Bone Spring, North

11. County or Parish, State

Lea County, N.M.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harvey E. Yates Company

3. Address and Telephone No.

P.O. Box 1933, Roswell, N.M. 88202 505/623-6601

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec. 4, T18S, R32E; 660' FSL & 660' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Side-track drlg
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

TD Side-track & csg/cmt

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3/13/95 Start drlg for side-track hole, test BOP 1500 psi/30 min-Held ok

3/14/95 Dress off cmt plug, Run Gyro Survey @ 5800' 2.25 deg N 10 W
Orient tool face S 10 deg E
***See attachment "Record of Survey"

TD Side-Track hole @ 10,897' 4/6/95
Run Multishot Survey - Btm hole @ 128.86' N-34-W

4/7/95 Ran 249 jts 5 1/2" 17# N-80 & J-55 csg, Set @ 10,897'
Cmt 1st Stage w/300 sks 65/35 "H" poz w/4% D20, .3% D112, 10 PPS D44 & .2% D46,
Tail w/200 sks "H" w/1% MRF, PD @ 4:30 am 4/8/95, Circ 60 sks, Circ 6 hrs,
Cmt 2nd Stage w/1200 sks 65/35 "H" poz w/4% D20, 11.2% D44, .2% D46 & .3%
D112; Tail w/350 sks "H" w/.1% D155
PD @ 12:30 pm 4/8/95
RR @ 6:30 pm 4/8/95

14. I hereby certify that the foregoing is true and correct

Signed Bob Wilhoit

Title Drilling Superintendent

Date 4/11/95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

RECEIVED
12 12 19 PM '95

D.I.G., INC.

HARVEY E. YATES COMPANY
 YOUNG DEEP UNIT 4 FED. #2
 LEA COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method

- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	C L O S U R E DISTANCE (FT)	DIRECTION (DEG)	DOGLEG SEVERITY (DG/100')
3500.00	0.00	N 0.00 E	0.00	3500.00	0.00 N 0.00 E	0.00	N 0.00 E	0.00
3600.00	0.25	N 16.11 W	100.00	3600.00	0.21 N 0.06 W	0.22	N 16.11 W	0.25
3700.00	0.25	N 19.51 W	100.00	3700.00	0.62 N 0.19 W	0.65	N 17.24 W	0.01
3800.00	0.25	N 3.08 E	100.00	3800.00	1.05 N 0.26 W	1.08	N 13.68 W	0.10
3900.00	0.50	N 25.32 W	100.00	3900.00	1.66 N 0.43 W	1.72	N 14.52 W	0.30
4000.00	0.50	N 30.73 W	100.00	3999.99	2.43 N 0.84 W	2.57	N 19.06 W	0.05
4100.00	0.75	N 25.13 W	100.00	4099.99	3.40 N 1.34 W	3.65	N 21.53 W	0.26
4200.00	0.75	N 12.53 W	100.00	4199.98	4.63 N 1.76 W	4.95	N 20.82 W	0.16
4300.00	0.75	N 6.95 W	100.00	4299.97	5.92 N 1.98 W	6.24	N 18.51 W	0.07
4400.00	0.75	N 5.36 W	100.00	4399.96	7.22 N 2.12 W	7.52	N 16.38 W	0.02
4500.00	1.00	N 9.76 W	100.00	4499.95	8.73 N 2.33 W	9.04	N 14.95 W	0.26
4600.00	0.75	N 8.16 W	100.00	4599.94	10.24 N 2.57 W	10.56	N 14.10 W	0.25
4700.00	0.75	N 1.57 W	100.00	4699.93	11.54 N 2.68 W	11.85	N 13.09 W	0.09
4800.00	0.75	N 15.97 W	100.00	4799.92	12.82 N 2.88 W	13.14	N 12.66 W	0.19
4900.00	1.00	N 3.37 W	100.00	4899.91	14.32 N 3.11 W	14.66	N 12.26 W	0.31
5000.00	1.00	N 1.78 W	100.00	4999.89	16.07 N 3.19 W	16.38	N 11.23 W	0.03
5100.00	1.00	N 8.18 W	100.00	5099.88	17.80 N 3.34 W	18.11	N 10.63 W	0.11
5200.00	1.25	N 2.58 W	100.00	5199.86	19.76 N 3.51 W	20.07	N 10.09 W	0.27
5300.00	1.25	N 12.99 W	100.00	5299.83	21.91 N 3.81 W	22.24	N 9.86 W	0.23
5400.00	1.25	N 7.39 W	100.00	5399.81	24.05 N 4.19 W	24.42	N 9.89 W	0.12
5500.00	1.50	N 0.21 E	100.00	5499.78	26.44 N 4.33 W	26.80	N 9.30 W	0.31
5600.00	1.50	N 3.20 W	100.00	5599.75	29.06 N 4.40 W	29.39	N 8.61 W	0.09
5700.00	1.50	N 6.60 W	100.00	5699.71	31.67 N 4.62 W	32.00	N 8.30 W	0.09
5800.00	1.75	N 21.43 W	100.00	5799.67	34.39 N 5.33 W	34.80	N 8.81 W	0.49
5912.00	1.00	N 59.00 W	112.00	5911.64	36.48 N 6.79 W	37.11	N 10.55 W	1.01
6006.00	1.50	S 27.00 W	94.00	6005.63	35.81 N 8.05 W	36.70	N 12.68 W	1.98
6100.00	1.75	S 24.00 W	94.00	6099.59	33.40 N 9.20 W	34.65	N 15.39 W	0.28
6194.00	2.00	S 6.00 E	94.00	6193.54	30.46 N 9.61 W	31.94	N 17.51 W	1.06
6288.00	2.50	S 10.00 E	94.00	6287.47	26.81 N 9.08 W	28.31	N 18.71 W	0.56
6382.00	2.25	S 9.00 E	94.00	6381.39	22.97 N 8.44 W	24.47	N 20.17 W	0.27
6476.00	2.00	S 13.00 E	94.00	6475.32	19.55 N 7.78 W	21.04	N 21.70 W	0.31
6570.00	1.75	S 12.00 E	94.00	6569.27	16.55 N 7.11 W	18.01	N 23.26 W	0.27

Survey Ref: Well Head Closure Ref: Well Head
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D.I.G., INC.

HARVEY E. YATES COMPANY
YOUNG DEEP UNIT 4 FED. #2
LEA COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method

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MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DG/100')
6664.00	1.25	S 11.00 E	94.00	6663.24	14.14 N	6.62 W	15.61 N	25.09 W	0.53
6758.00	1.00	S 7.00 E	94.00	6757.22	12.31 N	6.32 W	13.84 N	27.18 W	0.28
6852.00	0.75	S 10.00 W	94.00	6851.21	10.89 N	6.33 W	12.60 N	30.16 W	0.38
6946.00	0.50	S 83.00 W	94.00	6945.21	10.24 N	6.84 W	12.31 N	33.76 W	0.82
7040.00	0.75	N 87.00 W	94.00	7039.20	10.22 N	7.86 W	12.90 N	37.58 W	0.29
7134.00	1.00	S 88.00 W	94.00	7133.19	10.22 N	9.30 W	13.82 N	42.29 W	0.28
7228.00	1.50	N 67.00 W	94.00	7227.17	10.68 N	11.25 W	15.51 N	46.50 W	0.78
7322.00	2.00	N 61.00 W	94.00	7321.12	11.95 N	13.82 W	18.27 N	49.14 W	0.57
7416.00	1.75	N 63.00 W	94.00	7415.07	13.40 N	16.53 W	21.28 N	50.97 W	0.27
7510.00	1.75	N 70.00 W	94.00	7509.03	14.54 N	19.16 W	24.05 N	52.80 W	0.23
7604.00	1.25	N 56.00 W	94.00	7603.00	15.61 N	21.36 W	26.45 N	53.85 W	0.66
7698.00	1.25	N 41.00 W	94.00	7696.98	16.95 N	22.88 W	28.48 N	53.46 W	0.35
7792.00	1.50	N 39.00 W	94.00	7790.95	18.68 N	24.33 W	30.67 N	52.48 W	0.27
7886.00	1.75	N 46.00 W	94.00	7884.91	20.64 N	26.13 W	33.30 N	51.70 W	0.34
7980.00	2.00	N 45.00 W	94.00	7978.86	22.79 N	28.33 W	36.36 N	51.18 W	0.27
8074.00	2.00	N 27.00 W	94.00	8072.80	25.41 N	30.23 W	39.49 N	49.95 W	0.67
8168.00	2.25	N 1.00 W	94.00	8166.74	28.72 N	31.01 W	42.27 N	47.19 W	1.05
8266.00	2.75	N 2.00 E	98.00	8264.65	32.99 N	30.96 W	45.25 N	43.18 W	0.53
8356.00	2.75	N 12.00 E	90.00	8354.54	37.26 N	30.44 W	48.11 N	39.24 W	0.53
8450.00	2.50	N 10.00 E	94.00	8448.45	41.49 N	29.61 W	50.97 N	35.52 W	0.28
8544.00	2.25	N 4.00 E	94.00	8542.37	45.35 N	29.13 W	53.90 N	32.71 W	0.37
8638.00	2.00	N 6.00 E	94.00	8636.30	48.82 N	28.83 W	56.69 N	30.56 W	0.28
8732.00	2.25	N 8.00 E	94.00	8730.24	52.28 N	28.40 W	59.49 N	28.51 W	0.28
8826.00	2.00	N 8.00 E	94.00	8824.17	55.73 N	27.91 W	62.33 N	26.60 W	0.27
8920.00	2.00	N 2.00 E	94.00	8918.11	58.99 N	27.63 W	65.14 N	25.09 W	0.22
9014.00	2.00	N 5.00 W	94.00	9012.06	62.27 N	27.71 W	68.16 N	23.99 W	0.26
9108.00	2.00	N 1.00 W	94.00	9106.00	65.54 N	27.88 W	71.23 N	23.05 W	0.15
9202.00	2.00	N 15.00 W	94.00	9199.94	68.77 N	28.34 W	74.38 N	22.40 W	0.52
9296.00	2.50	N 34.00 W	94.00	9293.87	72.05 N	29.91 W	78.01 N	22.54 W	0.95
9390.00	3.00	N 26.00 W	94.00	9387.76	75.96 N	32.13 W	82.48 N	22.93 W	0.67
9484.00	3.00	N 35.00 W	94.00	9481.63	80.19 N	34.62 W	87.34 N	23.35 W	0.50
9578.00	2.50	N 33.00 W	94.00	9575.53	83.92 N	37.15 W	91.78 N	23.88 W	0.54
9672.00	2.00	N 41.00 W	94.00	9669.45	86.88 N	39.34 W	95.37 N	24.36 W	0.63

D.I.G., INC.

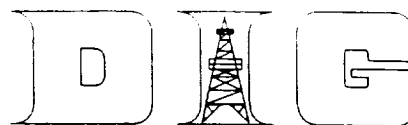
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9766.00	2.00	N 42.00 W	94.00	9763.40	89.33 N 41.52 W	98.51	N 24.93 W	0.04
9860.00	1.75	N 46.00 W	94.00	9857.35	91.55 N 43.65 W	101.42	N 25.49 W	0.30
9954.00	2.00	N 36.00 W	94.00	9951.30	93.87 N 45.64 W	104.38	N 25.93 W	0.44
10048.00	2.00	N 38.00 W	94.00	10045.24	96.49 N 47.62 W	107.60	N 26.26 W	0.07
10142.00	1.75	N 16.00 W	94.00	10139.19	99.17 N 49.02 W	110.62	N 26.31 W	0.80
10236.00	1.50	N 3.00 W	94.00	10233.15	101.77 N 49.48 W	113.17	N 25.93 W	0.47
10330.00	1.50	N 2.00 W	94.00	10327.12	104.23 N 49.59 W	115.43	N 25.44 W	0.03
10424.00	1.25	N 4.00 W	94.00	10421.09	106.49 N 49.70 W	117.51	N 25.02 W	0.27
10518.00	1.00	N 29.00 E	94.00	10515.07	108.23 N 49.38 W	118.96	N 24.52 W	0.73
10612.00	1.50	N 6.00 E	94.00	10609.05	110.17 N 48.85 W	120.51	N 23.91 W	0.74
10706.00	1.50	N 24.00 W	94.00	10703.02	112.51 N 49.22 W	122.81	N 23.63 W	0.83
10800.00	2.00	N 36.00 W	94.00	10796.98	114.97 N 50.69 W	125.64	N 23.79 W	0.66
10894.00	2.00	N 34.00 W	94.00	10890.92	117.65 N 52.57 W	128.86	N 24.08 W	0.07

HARVEY E. YATES COMPANY
YOUNG DEEP UNIT 4 FED. #2
LEA COUNTY, NEW MEXICO



HORIZONTAL PLAN
SCALE: 20 FEET/DIVISION

